CONSTRUCTION NEWS

Engineering News-Record, July 16, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Waterworks and filtration, Chicago, Ill., plans to supply 21 suburban towns, $11,000,000.

Tunnel, Minnesota, Superior Tunnel Co. plans tunnel, $4,000,000.

Hotel, Santa Barbara, Calif., W. L. Richmond plans hotel, $2,500,000.

Hotel, theatre, Kansas City, Mo., W. C. Gumm having plans prepared, $2,500,000.

High schools, Pittsburgh, Pa., Bd. of Educ. having plans prepared, $2,404,750.

Hotel, Oakland, Calif., Boulevard Hotel Co. having preliminary plans prepared, $2,000,000.

Hotel, Tampa, Fla., Tribune Pub. Co. having plans prepared, $1,500,000.

Office and theatre, Kansas City, Mo., had plans prepared, $1,500,000.

Office, Indianapolis, Ind., Chamber of Commerce having plans prepared, $1,500,000.

Apartment Hotel and Theatre, New York, N. Y., Lebanon Building Corp. plans, $1,500,000.

Hotel, New York, N. Y., Seventeenth St. Corp. having sketches made, $1,250,000.

Bids Wanted On Big Jobs

Generating Station, Cleveland, O., Cleveland Electric Illuminating Co., $10,000,000.

Schools, Chicago, Ill., Bd. of Educ. takes bids in August on 7 schools, total, $7,000,000.

Power plant, Beaumont, Tex., East Texas Electric Co. soon takes bids, $5,000,000.

Plant, Cincinnati, O., Cincinnati Enquirer, $2,500,000.

Office, Houston, Tex., N. Esperson Estate, Aug. 1, $2,000,000.

Large Contracts Let During Week

Subways, New York, N. Y., Bd. of Transportation, two subways, etc., total contracts, $10,769,079.

Office, Chicago, Ill., Riverside Plaza Corp. to Starrett & Dilks, $7,000,000.

Bank and Office, New York, N. Y., M. M. Natanson to G. R. Davis, $4,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
July 20	Hernando, Miss.	July 9
July 20	Downers Grove, Ill.	July 9
July 20	New York, N. Y.	July 9
July 20	Dayton, O.	July 16
July 20	Minneapolis, Minn.	July 16
July 21	Lansing, Ill.	July 2
July 21	Burlington, Ia.	July 9
July 21	Eugene, Ore.	July 9
July 22	Calallen, Tex. Adv. July 2 to 16.	July 2
July 22	Phila., Pa.	July 16
July 22	La Plata, Mo.	July 16
July 22	Boston, Mass.	July 16
July 23	Boston, Mass.	July 16
July 24	Brooklyn, N. Y.	July 16
July 27	Omaha, Neb.	June 25
July 27	Bradenton, Fla. Adv. July 2 to 16.	July 9
July 27	Omaha, Neb.	July 9
July 28	Leesville, S. C.	June 25
July 28	Paynesville, Minn.	July 16
July 30	Phillips, Neb.	July 16
Aug. 4	St. Louis, Mo. Adv. July 9 and 16.	July 9
Sept. 4	Oakland, Calif.	July 9
SEWERS		
July 17	Camden, N. Y.	July 16
July 18	Columbus, O.	July 9
July 20	Fairview, O.	July 9
July 20	San Luis Obispo, Calif.	July 9
July 20	Akron, O.	July 16
July 20	Detroit, Mich.	July 16
July 21	Punta Gordo, Fla. Adv. July 9 and 16.	July 2
July 21	Illinois	July 9
July 21	Waterloo, Ia.	July 16
July 21	Altoona, Pa.	July 16
July 22	Grand Rapids, Mich.	July 2
July 22	Kenora, Ont.	July 16
July 22	La Plata, Mo.	July 16
July 23	Kansas City, Mo. Adv. July 9 and 16.	July 9
July 23	Massillon O.	July 16
July 27	Bradenton, Fla. Adv. July 2 to 16.	July 9
July 27	Gary, Ind. Adv. July 16.	July 16
July 28	Louisville, Ky. Adv. July 9 and 16.	July 9
July 28	Leesville, S. C.	June 25
July 28	Paynesville, Minn.	July 16
July 30	Colonie, N. Y. Adv. July 9 and 16.	July 16
July 31	St. Bernard (Br. Cincinnati) O.	July 16
July 31	Chattanooga, Tenn.	July 16
Aug. 1	Chicago, Ill.	July 9
Aug. 3	Plainfield, N. J. Adv. July 16.	July 16
Aug. 4	Paducah, Ky.	July 9
Aug. 4	Belzoni, Miss. Adv. July 16.	July 16
Aug. 18	Lynn, Mass. Adv. July 9 and 16.	July 9
WASTE DISPOSAL		
July 27	New Bedford, Mass. Adv. July 16.	July 16
BRIDGES		
July 17	Boston, Mass.	July 16
July 17	Ohio	July 16
July 20	Welland, Ont.	July 2
July 20	Ontario	July 9
July 21	Media, Pa.	July 9
July 21	Boston, Mass.	July 16
July 22	San Francisco, Calif.	July 2
July 22	New York, N. Y.	July 16
July 24	Missouri	July 16
July 24	Grand Haven, Mich.	July 16
July 24	Walla Walla, Wash.	July 16
July 27	New Jersey Adv. July 9 and 16.	July 9
July 28	Merced, Calif.	July 2
July 28	Indiana	July 16
July 30	Mercer, Pa. Adv. July 16.	July 16
Aug. 3	Portchester, N. Y. Adv. July 16.	July 16
Aug. 5	Roach (mail Salt Rock), W. Va. Adv. July 9 and 16.	July 9
DAMS		
July 21	Yonkers, N. Y. Adv. July 2 to 16.	July 9
July 25	Pulaski, Va. Adv. July 16.	July 9
July 27	San Antonio, Tex.	July 2
July 29	New Brunswick	July 16
RAILWAYS		
July 18	New Brunswick	July 16
EXCAVATION, DRAINAGE IRRIGATION, LEVEES		
July 18	Barron, Wis.	July 16
July 20	Crown Point, Ind.	July 16
July 22	Canisteo, N. Y. Adv. July 2 and 9.	July 9
STREETS AND ROADS		
July 17	North Bay, Ont.	July 16
July 17	Saulte Ste. Marie, Ont.	July 16
July 17	Quebec	July 16
July 20	Moultrie, Ga.	July 9
July 20	New Jersey	July 9
July 20	New York, N. Y.	July 9
July 20	Patton, Pa.	July 9
July 20	Chapel Hill, N. C.	July 16
July 20	Clearwater, Fla.	July 16
July 20	Saulte Ste. Marie, Ont.	July 16
July 20	Winthrop Harbor, Ill.	July 16
July 20	New York, N. Y.	July 16
July 20	Boston, Mass.	July 16
July 20	Milwaukee, Wis.	July 16
July 21	Florida	July 2
July 21	North Carolina	July 2
July 21	Louisiana	July 9
July 21	North Carolina Adv. July 9 and 16.	July 9
July 21	Minnesota	July 9
July 21	Boston, Mass.	July 16
July 21	Phila., Pa.	July 16
July 21	Summit, N. J. Adv. July 16.	July 16
July 21	Milwaukee, Wis.	July 16
July 21	St. Paul, Minn.	July 16
July 21	Neosha, Mo.	July 16
July 22	Franklinton, La.	July 9
July 22	Northbrook, Ill.	July 16
July 22	Glenville, W. Va.	July 16
July 22	Cleveland, O.	July 16
July 23	Louisiana	July 9
July 23	Virginia Adv. July 16.	July 16
July 23	Dayton, O.	July 16
July 23	Michigan	July 16
July 23	North Dakota	July 16
July 23	Wisconsin	July 16
July 24	Pennsylvania Adv. July 9 and 16.	July 9
July 24	Olean, N. Y.	July 9
July 24	New Jersey	July 16
July 24	Michigan	July 16
July 24	Henrietta, Tex.	July 16
July 24	Boston, Tex.	July 16
July 24	West Palm Beach, Fla. Adv. July 16.	July 16
July 24	Elwood City, Pa. Adv. July 16.	July 16
July 24	Missouri	July 16
July 27	Sacramento, Calif.	July 9
July 27	Kansas City, Kan.	July 9
July 27	New Jersey Adv. July 9 and 16.	July 9
July 28	Tuskegee, Ala. Adv. July 16.	July 16
July 28	Philadelphia, Miss.	July 16
July 28	South Carolina	July 16
July 29	Nevada	July 16
July 29	Nebraska	July 16
July 30	Chickasha, Okla.	July 9
July 30	New Jersey Adv. July 9 and 16.	July 9
July 30	Nebraska	July 16
July 31	Saltillo, Coahuila, Mexico.	July 16
July 31	Nebraska	July 16
Aug. 1	Birmingham, Ala.	June 25
Aug. 3	Pineville, W. Va. Adv. July 9 and 16.	July 9
Aug. 3	New York Adv. July 16.	July 16
Aug. 3	New Mexico	July 16
Aug. 3	Fayetteville, W. Va. Adv. July 16.	July 16
Aug. 4	Florida	July 16
Aug. 5	Delaware Adv. July 16.	July 16
Aug. 9	Chickasha, Okla.	July 9
Aug. 11	Clayton, Mo.	July 9
Aug. 11	Brooklyn, N. Y. Adv. July 16.	July 16
Sept. 22	New Orleans, La.	July 2
Sept. 24	New Orleans, La.	July 2

Bids Close — See Eng. News-Record

BUILDINGS—INDUSTRIAL

July 17 Cleveland, O. ..... July 9
July 17 Phila., Pa. ..... July 16
July 18 Cleveland, O. ..... July 16
July 18 Waterbury, Conn. ..... July 16
July 20 Brooklyn, N. Y. ..... July 16
July 20 Milwaukee, Wis. ..... July 16
July 27 Bradenton, Fla. ..... July 9
Adv. July 2 to 16.

BUILDINGS—COMMERCIAL

July 18 Creighton, Pa. ..... July 16
July 20 Milwaukee, Wis. ..... July 16
July 20 Willimantic, Conn. ..... July 16
July 21 Ithaca, N. Y. ..... July 2
July 21 Baltimore, Md. ..... July 9
July 21 Phila., Pa. ..... July 9
July 22 New York, N. Y. ..... July 9
July 22 Urbana, Ill. ..... July 9
July 25 Grand Island, Neb. ..... July 9
July 25 Phila., Pa. ..... July 16
July 27 New Brunswick, N. J. ..... July 16
July 27 Waukesha, Wis. ..... July 16
July 28 Buffalo, N. Y. ..... July 9
July 28 Tecumseh, Okla. ..... July 16

BUILDINGS—EDUCATIONAL, RELIGIOUS

July 16 Stamford, Conn. ..... July 16
July 20 Danbury, Conn. ..... July 16
July 20 Tacony (Sta. Phila.), Pa. ..... July 16
July 21 Savannah, Ga. ..... July 9
July 21 Erie, Pa. ..... July 16
July 22 New York, N. Y. ..... July 9
July 22 Buffalo, N. Y. ..... July 16
July 23 Phila., Pa. ..... July 9
July 27 Kankakee, Ill. ..... July 2
July 28 Hawthorne, Mass. ..... July 16
July 29 Clearwater, Fla. ..... July 16

FEDERAL GOVERNMENT WORK

July 20 Crane—Florence, Ala. ..... June 11
Adv. June 11 to July 16.
July 20 Water Pipe—Wash., D. C. ..... July 16
July 21 Lock Gates—Florence, Ala. ..... July 2
Adv. June 25 to July 16.
July 22 Barge, etc.—San Diego, Calif. ..... July 16
July 23 Current Retards—Kansas City, Mo. ..... July 16
July 24 Post Office—Fallon, Nev. ..... July 9
July 27 Post Office—Bloomington, Ill. ..... July 9
July 28 Post Office—Sandpoint, Idaho ..... July 9
July 29 Roads—Red Bluff, Calif. ..... July 9
July 29 Hospital—Canacao, P. I. ..... May 21
July 29 Dredging—San Francisco, Calif. ..... July 16
July 29 Fire Protection—Baltimore, Md. ..... July 16
Adv. July 16.
July 31 Dredging—New Haven, Conn. ..... July 16
Adv. July 16.
July 31 Waterworks—Wash., D. C. ..... July 9
Adv. July 9 and 16.
July 31 Post Office—Ithaca, N. Y. ..... July 16
July 31 Pipe Line—Wash., D. C. ..... July 16
July 31 Dredging — New Haven, Conn. ..... July 16
Adv. July 16.
Aug. 3 Wicket Iron, etc.—Louisville, Ky. ..... July 9
Adv. July 9 and 16.
Aug. 3 Stone—Phila., Pa. ..... July 16
Aug. 4 Hospital—Hot Springs, S. D. ..... June 25
Adv. July 2 to 16.
Aug. 4 Water Piping—Boston, Mass. ..... July 16
Adv. July 16.
Aug. 4 Metal Doors—Florence, Ala. ..... July 16
Adv. July 16.
Aug. 5 Dredging—Baltimore, Md. ..... July 9
Adv. July 9 and 16.
Aug. 5 Remodeling—Lexington, Ky. ..... July 16
Adv. July 16.
Aug. 5 Welfare Building—Phila., Pa. ..... July 16
Aug. 6 Dredging—Boston, Mass. ..... July 9
Adv. July 2 to 16.
Aug. 20 Power Plant—Yuma, Ariz. ..... July 16
Adv. July 16.

UNCLASSIFIED

July 17 Borings—New York, N. Y. ..... July 9
July 21 Retaining Walls—Yonkers, N. Y. ..... July 9
Adv. July 9 and 16.
July 22 Gallow Frames—Brooklyn, N. Y. ..... July 16
July 22 Wharf—Point Au Pere, Quebec ..... July 16
July 24 Subway—New York, N. Y. ..... July 16
Aug. 1 Recreation Pier, etc.—St. Petersburg, Fla ..... July 9

Bids Close — See Eng. News-Record

Aug. 10 Electric Capstans, etc.—Napier, New Zealand ..... June 25
Aug. 18 Subway—Phila., Pa. ..... July 16
Adv. July 16.

MATERIALS

July 20 Pipe—New York, N. Y. ..... July 2
July 20 Road Oil—Galesburg, Ill. ..... July 16
Aug. 3 Ties—Montreal, Que. ..... July 16
Aug. 12 Steel Sheets—Melbourne, Australia ..... July 16
Aug. 26 Rails—Melbourne, Australia ..... July 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Fla., Port Richey—Election July 21, $80,000 bonds, for waterworks. E. M. Avery, mayor.

Miss., Columbus—Election July 22, $30,000 bonds, waterworks improvements.

Tenn., Brownsville — Election July 16, $45,000 bonds, enlarging and improving waterworks, incl. mains, fire hydrants, etc.

O., Cleveland—Making plans 54 x 100 ft., brick, steel and concrete pump house, etc. $250,000. H. Kregelius, City Hall, archt.

Ill., Alton—Alton Water Co., plans to expend $35,000, extending mains in various streets.

Ill., Chicago — Plans waterworks, plant 36 m.g., and filtration 50 m.g. capacity to supply 21 suburban towns. $11,000,000. Alvord, Burdick & House, Hartford Bldg., engrs.

Ill., Staunton—Making preliminary plans dam and impounding reservoir, filtration plant, pumping equipment, pipe line, tank on tower, mains, etc. $200,000. W. A. Fuller Co., 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Ill., Winnetka—Makings plans enlarging filtration plant, incl. 4 filters, 3 m.g. total capacity, gradulation basin 250,000 gal. capacity, filtered water basin, etc. Alternate bids on basin 400,000 gal. capacity and basin 1,150,000 gal. capacity. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ia., O'Brien — Made plans waterworks. $15,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Mo., Charleston — Election soon $60,000 bonds, waterworks. F. L. Wilcox, Chemical Bldg., St. Louis, engr.

Mo., Malden — Election soon $53,000 bonds waterworks and electric light improvements. F. L. Wilcox, Chemical Bldg., St. Louis, engr.

Tex., Jayton—Takes bids after Aug. 10, waterworks improvements, incl. 3 or 4 mi. 6 in. pipe line from present reservoir, etc. $50,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs. Noted May 21.

Tex., Lubbock — Voted $150,000 bonds waterworks improvements, additional mains, pumping equipment, etc. J. R. Germany, city secy. Noted June 25.

Okla., Elk City—Voted $336,000 bonds, waterworks, incl. mains, etc., also sanitary and lateral sewers in various streets. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Kan., engrs.

Okla., Walters—Election July 23, $25,000 bonds, dam across Cache Creek, spillway, new pump and pipe line. A. F. Thompson, Walters, engr.

Calif., Los Angeles — Los Angeles Co. Waterworks Dist. 6, plans drilling wells, c.i. and wrought iron pipe, storage reservoir, distributing system, etc. $80,000-$90,000.

Calif., Paso Robles—Plans election $30,000 bonds, for 3 m.g. reservoir, also 12 in. main to carry water across river. W. Hughes, city engr.

Calif., Pittsburg—Making plans 3,000 lin. ft. 2½- to 4-in. standard screw black dipped mains, etc., in various streets. G. T. Oliver, city engr.

Calif., Southgate (Branch Los Angeles)—Plans election $150,000 bonds for waterworks system.

BIDS DESIRED

Mass., Boston—July 23, by Metropolitan District Comn., Water Div., 1 Ashburton Pl., about 7,300 lin.ft. 36 in. lock bar steel or 38 in. riveted steel mains and appurtenances in Malden, Melrose and Stoneham. J. R. Rablin, engr.

Mass., Boston — July 22, by Dept. Pub. Wks. (High Pressure Serv.), high pressure fire pipes in Atlantic and Dorchester Aves., Richmond, Fulton, Congress and Lewis Sts. $40,000 bonds. J. A. Rourke, comr.

N. Y., Brooklyn—July 24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ocean Parkway, Kings Highway and Ave. I.

Pa., Phila.—July 22, by Dept. Pub. Wks., Bureau Water, Contr. 766, 50,000 lb. pig lead; Contr. 767, pitometre survey of trunk mains of water distribution system; Contr. 768, 600 wash water troughs; Contr. 769, 150 tons c.i. pipe and 100 tons c.i. specials. G. W. Biles, dir.

O., Dayton—July 20, by G. F. Baker, dir. Pub. Serv., 210 x 300 ft. rein.-con. covered low service reservoir, containing 9,000 cu.yd. concrete, for Water Dept. $200,000.

Ia., Waterloo—See "Sewers."

Minn, Minneapolis — July 20, by F. S. Gram, city purch. agt., alum handling equipment for new filter plant (now under construction), at Fridley. N. W. Elsberg, city engr.

Minn., Paynesville—July 28, by J. F. Chisholm, village clk., extending 8,500 lin. ft. 4- to 8-in. c.i. mains in various streets, etc. $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Neb., Phillips—July 30, by H. Johnson, village clk., 25,000 gal., 30,000 gal., 35,000 gal. or 50,000 gal. tank on tower, 96 ft. 8 in., 900 ft. 6 in. 3,900 ft. 4 in. c.i., 3,600 ft 2 in. and 1,000 ft. 1 in. galvanized pipe, 2 deep wells, etc. Hennington Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., La Plata—July 22, by W. R. Huston, City Hall, city clk., earth dam, filter plant, 34,900 2 to 8-in. c.i. and 7,600 ft. 2 in. galvanized pipe, 41 gate valves and boxes, 5 centrifugal pumps and motor, steel tank on tower, etc. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, engrs. Noted June 25.

Tex., Comanche—Taking bids complete waterworks. $120,000. Jno. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr. Noted June 18.

Okla., Guthrie—City in market for 500 g.p.m. and 750 g.p.m. centrifugal pumps against 240 ft. heads, for Water Works Plant. W. J. Mathis, purch. agt.

Que., Huntingdon—W. B. McLean, engr., 500 St. James St., Montreal, in market for complete equipment for new filtration plant, here, for Town.

BIDS RECEIVED

N. Y., Baldwin — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, steam piping at Milburn pumping station, here, from Johnston Heating Co., 131 East 26th St., New York City, $27,585. Noted July 2.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, July 7, mains, etc., in Alabama, Autumn, Fillmore, New Jersey, Nostrand, Rochester, Schenectady, 3rd and 21st Aves., Avenues M and S, Elton, Kimball, 58th, 62nd, 63rd, 93rd, East 36th, West 5th, 8th, 11th, 12th and Beach 44th Sts., Elmore Pl., Kings Highway and Barren Island, here, from Grippo Contg. Co., 58 Webster Ave., Long Island City, $19,400. Noted July 2.

Wis., Milwaukee—Central Bd. Purchases, from R. D. Wood & Co., 2100 Locust St., Phila., Pa., 200 fire hydrants $83.50 each; from Hoffmann Billings Mfg. Co., 100 2nd St., Milwaukee, 500 "DD" stop cock boxes $4.85 each, 100 covers $0.58 each, 100 boxes (No. 6 round) $1.63 each, 150 extension pieces $0.82 each; from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., 207,145 lb. special castings $84 per ton; from Natl. Cast Iron Pipe Co. 122 South Michigan Blvd., Chicago, Ill., 1,000 tons each, 6 and 12 in. Class "C" water pipe, $48.25 per ton; from Chapman Valve Mfg. Co., 111 West Washington St., Chicago, Ill., one hundred and fifty 6 in. and twenty-five 12 in. gate valves $5,530. Noted July 2.

Wis., West Milwaukee (Milwaukee P. O.)—S. J. Brew, village clk., July 6, approximately 2 mi. 6 and 8 in. c.i. mains in various streets, from F. E. Maminski, 745 46th Ave., West Allis, $20,909. Noted May 21.

CONTRACTS AWARDED

Mass., Boston — Dept. Pub. Wks. laying about 6,300 lin. ft. c.i. and furnishing and

Waterworks (Continued)

laying about 200 lin.ft. 48 in. c.i. mains in Commonwealth Ave., Public Gardens, etc., to C. and R. Constr. Co., 67 Harrison Ave., Rosindale, $135,260. Noted June 18.

Conn., Hartford—Water Comrs., Municipal Bldg., 9 m.g. covered filtered water reservoir and appurtenances, to O'Neill Bros., 22 Preston St., $210,000. Noted July 9.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in Bayview Ave., to Gifford Constr. Co., Fulton St., Jamaica, $6,293; Folsom Ave., to Wataga Contg. Co., 308 Lenox Ave., New York City; 11th Ave., to S. Gallucci, Railroad Ave., Corona, $9,300; Woolsey Ave., to Norton & Rigney Co. Inc., Richmond Hill, $9,435. Noted June 25.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in St. Nicholas Park, St. Nicholas, 7th and 8th Aves., East 135th, West 135th and 150th Sts., to Wataga Contg. Co., 308 Lenox Ave., $92,300. Noted July 2.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bard, Beach Aves., etc., here; to G. V. Cornell, Rose Bank, $25,490. Noted June 25.

N. J., Perth Amboy—Water Bd., mains in Harding Ave. to W. J. Meagher, 211 Market St., $60,000.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 738, 16 and 24 in. c.i. mains, and Contr. 763, 6, 8 and 12 in. c.i. mains, to P. and A. J. Ellis, 4th St. below Wyoming Ave., $343,795 and $331,350 respectively; Contr. 739, power equipment for Queen Lane extension, Divs. A and D, to General Electric Co., Witherspoon Bldg., $49,338 and $67,260 respectively, Div. B, to Wheeler Mfg. Co., 18th and Lehigh Sts. $14,735, Div. C, to W. K. Mitchell, 2940 Ellsworth St. $80,750, Div. E, to Badenhausen Corp., 1011 Chestnut St. $16,740, Div. F, to Keystone Piping & Equipment Co., 2849 Germantown Ave., $124,854; Contr. 761, removing and relaying 48 in. pipe line, to Craven Co., 4 South 15th St., $13,733; Contr. 762, 6 and 8 in. c.i. mains, to M. and J. B. McHugh, 892 North Markos St., $132,639. Grand total $1,175,194. Noted July 9.

N. C., Burnsville—City, about 6 mi. 6 in. and ¾ mi. 8 in. c.i. mains 500,000 gal. filtration plant, one 200,000 gal. concrete reservoir, one 20,000 gal. concrete wash water tank, 2 small intake structures and about 2 mi. 8 in. sanitary sewer lines and appurtenances, to Higgins & Co., Charlotte, $95,000. Noted June 18.

Ga., Macon—City, 231 ft. rein.-con. reservoir, 81½ ft. wide, and 25 ft. high, 3 m.g. capacity, to C. C. Cose, Candler Bldg., Atlanta, approximately $77,000. Noted June 4.

O., Cleveland—Cuyahoga Co., 4,000 ft. 12 in. mains in Snow Rd., to Kassouff & Co., 3182 West 25th St., $20,000. Noted July 9.

O., Medina—See "Sewers."

Wis., Manitowoc — City, at Office City Clerk, approximately 1,200 ft. 36 in. intake extending into Lake Michigan, to McMullen & Pitz Constr. Co., 923 Commercial St., $83,757. Noted July 2.

Ia., Diagonal—City, 16,500 ft. 2- to 6-in. c.i. pipe, 50,000 gal. tank on 50 ft. tower, valves, etc., to Des Moines Steel Co., 421 Southwest 4th St., Des Moines, $20,000. Water supply and pumping equipment not yet awarded. Noted June 11.

Minn., Minneapolis — F. S. Gram, city purch. agt., 10 operating tables in filter operating gallery, 3 high and low centrifugal service pumps, also synchronous motors for high and low centrifugal pump drive, to Allis-Chambers Co., West Allis St., Milwaukee, Wis., $58,194. Noted June 11.

Neb., Newport—City, 7,104 ft. 4- to 6-in. c.i. pipe, 2 tons special castings, 15 fire hydrants, and one 10 in. well, 60 ft. deep to Fremont Constr. Co., Fremont; also 50,000 gal. tank on 100 ft. tower, to Omaha Steel Wks., 4802 Leavenworth St., Omaha. Engrs. est. $16,110.

Okla., Norman—City, 800 tons 8- to 12-in. c.i. pipe, to Midwest Steel Co., 1st Natl. Bank Bldg., Oklahoma City, $38,364. Engrs. est. $40,000.

Okla., Prague—City, new drilled well, 350 cu.ft., air compressor, 200,000 gal. reservoir, and 1,850 ft. 4 in. and 800 ft. 6 in c.i. main extensions in various streets, etc., to H. M. House, Merrie Garden Bldg., Oklahoma City, $16,507. Engrs. est. $22,000. Noted June 25.

Calif., Burbank—City, 15,000 ft. 4- to 8-in. mains in Ben Mar Hills Tract, to G. A. Simpson, Olsen Bldg., Burbank, approximately $69,000. Noted June 4.

Sewers

PROPOSED WORK

R. I., Providence—Plans sewerage work in 6th and Touro Sts., New York and Opton Aves. $25,000. J. B. Ballard, chn.

Ala., Selma — Election Aug. 7, $150,000 bonds, sanitary sewers in various streets. T. J. Rowell, mayor.

Miss., Yazoo—See "Streets and Roads."

Tenn., North Chattanooga — (br. of Chattanooga)—Election July 22, $100,000 bonds for sewers, extending mains and fire plugs for fire protection.

Ky., Fulton—Plans 6 mi. new sanitary sewers in all streets. $50,000. F. L. Wilcox, Chemical Bldg., St. Louis, Mo., engr. Noted Mar. 28.

Ill., Staunton—Making preliminary plans disposal plant, approximately 25 mi. 8- to 18-in. sanitary sewers, etc., in various streets. $300,000. W. A. Fuller, 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Minn., St. Paul—Soon takes bids sewer in Edgecumbe Rd. between Otto Ave. and West 7th St. $42,142. G. M. Shepard, city engr.

Mo., Clayton—St. Louis Co. making plans 6- to 18-in. sanitary sewers in Dist. 8, St. Thomas Station district on St. Charles Rock Rd.; Dist. 9 section west of Sutter Ave. north of University City and south of The Ridge; Dist. 10 section east and west of Bway. in vicinity of Ripa Ave. and Dist. 11, east and west of Bway. in vicinity of Mary Ave., both draining into Mississippi River. L. C. Dziatzko, Empire Bldg., Webster Groves, engr.

Mo., St. Joseph—Election Aug. 4th, to vote on bonds for sewers in various streets. Estimated cost $1,350,000. W. K. Seitz, engr.

Mo., St. Louis — Soon takes bids 4,125 ft. 12- to 18-in. vitr. clay and 1,445 ft. 36- to 48-in. brick or segmental block pipe, 2,885 ft. 6 ft. and 1,325 ft. 7 ft. concrete horseshoe sewer, etc., concrete horseshoe sewer, 2,100 ft., either 9 ft. for Camp Springs Public Relief Sewer, $550,000; also for Sect. A, North Baden Public Relief Sewer, main sewer will be 11 x 14 ft., rein.-con., 2½ in. inside diam., etc., $200,000. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Soon takes bids Rock Springs Public Relief Sewer. $300,000. W. W. Horner, 300 City Hall, engr.

Ark., Little Rock—Made plans and may soon take bids 13,978 ft. 6- to 10-in. vitr. clay sewers, 28 manholes, 16 flush tanks and disposal plant, incl. settling basin and filtration beds in Impvt. Dist. 102. H. R. Carter, 313-324 Exch. Bank Bldg., engr. Noted June 11.

Tex., Ennis — Election July 28, $40,000 bonds, sewer extensions in various streets. H. McCanless, city engr.

Tex., Hamilton—Election July 28, $60,000 bonds, sewerage system and disposal plant. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs.

Tex., Lubbock — Voted $150,000 bonds, sewer improvements, incl. mains, incinerator, etc. J. R. Germany, city secy.

Okla., Elk City—See "Waterworks."

Okla., Okeene—Election July 28, $47,000 bonds, sewage disposal plant, 30,600 ft. 8- to 12-in. vitr. clay sewers, etc., in various streets. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Ore., Grants Falls—Making plans rebuilding old sewerage system and extensions throughout city. $150,000. Stevens & Koon, Spalding Bldg., Portland, engrs.

Calif., Manteca—Defeated $25,000 bonds, sewers in various sections of city.

Calif., North Sacramento (mail Sacramento)—Making plans outfall sewer to connect with Sacramento, incl. pumping plant, 10,000 ft. c.i. pipe, force main, etc. J. N. Bidwell, 1501 Del Paso Blvd., engr.

Ont., Windsor—Plans sanitary sewers in McKay, Curry, Rosedale, Adanac, Taylor, Field and McEwan Aves. $40,000. A. E. Brian, city engr.

BIDS DESIRED

N. Y., Camden — July 17, by Village Clerk, sewerage system and disposal plant. M. Vrooman, Gloversville, engr. This corrects report in July 9 issue.

N. Y., Colonie — July 30, at Maplewood School, Maplewood, Colonie, complete sanitary sewerage system with disposal plant for School Dist. 22. Solomon & Kels, and H. E. Gabriels, Troy, engrs.; adv. E. N.-R. July 16.

N. J., Plainfield — Aug. 3, by Common Council, sanitary sewers and sewage pumping station. A. W. Vars, city engr.; adv. E. N.-R. July 16.

N. J., Summit—See "Streets & Roads."

Pa., Altoona—July 21, by City Council, B. Keatley, comn., City Hall, 8,082 lin.ft. 6- to 27-in. double strength terra cotta sewers, etc. in 8th Alley, 23rd, 22nd, 25th and 26th Aves., Lloyd and 23rd Sts. H. J. Baum, city engr.

Miss., Belzoni—Aug. 4, by City Council, at office F. M. Pepper, city clk., 2 sewerage pumps to handle unscreened sewerage and 2 dry pits for pumps, f.o.b. Belzoni. D. M. Foster, city engr. Noted July 2.

Tenn., Chattanooga—July 31, at office of E. D. Bass, comr. Dept. Streets & Sewers, constructing 12th Ward trunk sewer; adv. E. N.-R. July 16.

O., Akron—July 20, by Comrs. Summit Co., 6,849 ft. 33- to 36-in. brick or segmental block main sanitary trunk sewer in Little Cuyahoga Intercepter. $125,000. E. D. Barstow, 321 Ohio Bldg., engr.

O., Massillon—July 23, by Director Pub. Serv., Kendall storm water sewer Contr. A, 5794 lin.ft 12- to 60-in. pipe $60,000; Contr. B, 648 lin.ft. pipe $12,000. C. E. Rice, city engr. Noted June 1.

O., St. Bernard (Ind. br. of Cincinnati)—July 30, by Director Pub. Serv., 1,018 lin.ft. 7- to 36-in. vitr. clay sewer and 1,253 lin.ft. 42- to 57-in. brick sewer in private property between Rapid Transit Right-of-way and Bank Ave. $74,000. F. Krug, City Hall, Cincinnati, engr.

Ind., Gary—July 27, by Bd. Pub. Wks., sewage pumping station, etc. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., consult. engrs.; adv. E. N.-R. July 16.

Mich., Detroit—July 20, by Dept. Pub. Wks., monolithic concrete or brick sewers, 4,001 ft. Bedford Ave. Rd. Sewer, Sect. 3, 2,311 ft. Harper Ave. Arm West, Sect. 2, Connors Creek Sewer, 2,311 ft. Puritan Ave. Arm West Wyoming Ave. Sewer, 3,894 ft. Lyndon Ave. Arm East Hubbell Ave. Sewer, 5,875 ft. Lakeview Ave. Arm Sewer, 2,601 ft. Hamilton Relief Sewer. P. A. Fellows, city engr.

Wis., Neenah—H. S. Zemlock, city clk., taking bids 8,000 ft. vitr. clay sewers in various streets in Dist. 2. A. E. McMahon, City Hall, Menasha, engr.

Ia., Waterloo—July 21, by City, 2,150 ft. sewers and 1,400 ft. 4 in. c.i. mains in various streets. R. B. Slippy Eng. Corp., 406 Lafayette Bldg., engr. Noted Apr. 16.

Minn., Paynesville — July 28, by J. F. Chisholm, village clk., disposal plant, and 25,700 ft. 8- to 15-in. vitr. sewer, etc., in various streets. $35,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Mo., La Plata—July 22, by W. R. Huston, city clk., 6.5 mi. 6- to 15-in. vitr. sewers, disposal plant, Imhoff tank, etc. W. B. Rollins & Co., 521 Railway Exch. Bldg., engrs. Noted June 25.

Tex., San Angelo — Taking bids 27 mi. sewers and 1,800 connections, etc. in various streets. $275,000 bonds voted. Terrell Bartlett, Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted May 21.

Ont., Kenora—July 22, by F. J. Harper, town clk., 1 mi. vitr. clay sewers in various streets. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Mexico, Coahuila, Saltillo—See "Streets and Roads."

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., July 9, sanitary sewers in 150th St., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, (A) $582,715; from Oxford Eng. Constr. Co., (B) $546,325. Noted July 2.

O., Cleveland—City, June 17, 2,970 ft. 12- to 24-in. vitr. sewer in West 140th St., from S. N. Khury, 1415 Clark Ave., $14,009; 2,600 ft. 30 in. vitr. tile sewer east of Delavan Rd., from George & Ameen Constr., Erie Bldg., $15,177; 840 ft. 5 in. sewer south of Lorain Ave., from Manson Co., Sewers Contractors Exch., $11,768. Noted June 11.

Wis., West Milwaukee (Milwaukee P. O.)—S. J. Brew, village clk., approximately 2 mi. 8 and 10 in. vitr. clay or concrete sewers in various streets, from F. E. Kaminski, 745 46th Ave., West Allis, $21,746. Noted July 2.

Calif., Oakland—City Council for East of the Lake Storm Drain Sewer, Proposition A (1) 574 ft. 10 in. vitr. pipe conduit (2) 355 ft. 15 in. vitr. pipe conduit (3) 444 ft. 21 in. vitr. pipe conduit with concrete saddle, (4) 729 ft. 24 in. vitr. pipe conduit with concrete saddle (5) 7 manholes (6) 8 storm water inlets; Proposition B (1) 574 lin.ft. 10 in. vitr. pipe conduit (2) 355

Sewers (Continued)

lin.ft. 15 in. vitr. pipe conduit (3) 444 lin.ft. 22 in. rein.-con. pipe conduit (4) 729 lin.ft. 24 in. rein.-con. pipe conduit (5) 7 manholes (6) 8 storm water inlets, from J. Garden, 386 15th St., Oakland,. Proposition A (1) $2.40 (2) $3.40 (3) $5.20 (4) $7.20 (5) $65 (6) $47; from Merced Concrete Pipe Co., Merced, Proposition B (1) $2 (2) $3.25 (3) $6.60 (4) $9.70 (5) $90 (6) $100.

CONTRACTS AWARDED

Mass., Boston—Dept. Pub. Wks., sewerage works in Oswego St., to V. Barletta, 10 Whipple Ave., West Roxbury, $25,001. Noted June 25.

Mass., Newton — Street Commissioner, City Hall, West Newton, 6,736 ft. 8- to 15-in. vitr. sewer in various streets, here, to A. Cefalo, 316 Belgrade Ave., Rosindale, $30,463.

N. Y., Long Island City — M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Flushing Ave., to S. A. Gross, 8515 Fulton St., Woodhaven, $12,137.

N. Y., New York — H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sewers in Pelham Parkway North, to A. Gregorio & Co., Inc., 1121 Neil Ave., $41,428. Noted July 9 under "Streets and Roads."

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, mechanical screens, motors, etc., in sewage treatment and pumping plant, west of Ocean Ave., to Link Belt Co., 233 Bway., New York City, $21,360. Noted July 9.

Pa., Lansdale—Council of Boro of Lansdale, sewers and sewage treatment works in various streets to O'Rourke Bros. Norristown, $26,252 and $23,926 respectively. Noted June 18.

O., Cleveland—City, 5,445 ft. 12- to 24-in. vitr. tile sewer in East 170th, 172nd and 173rd Sts., to Kassouff & Co., 3182 West 25th St., $16,954; 12,681 ft. 4 in. concrete sewer in Clark Ave., to Langahan Constr. Co., Marshall Bldg., $45,527; 6,180 ft. 12- to 24-in. tile sewer in La Verne Ave., to A. J. Galvin, Hunkin-Conkey Bldg., $15,271. Grand total $77,752. Noted June 11.

O., Cleveland—Cuyahoga Co., 5,500 ft. 8- to 60-in. vitr. clay sewer in Wagar Rd., Impvt. 600, to Gallagher-Burke Co., 1228 Bonniview Ave., Lakewood, $66,648; 21,000 ft. 8- to 27-in. vitr. clay sewer in Chestnut Hill Drive, Impvt. 71, to Winterbottom-Connelly Co., 1406 West 25th St., $83,508. Noted June 25.

O., Cleveland — Cuyahoga Co., 4,500 ft. 8- to 27-in. tile sewers in Therton and Forestwood Drives, Impvt. 31, to Sprague & Burkhardt, 11811 Browning Ave., $36,096. Noted July 9.

O., Medina — Medina Co., sewer and watermains in Chippewa Lake Dist., to Zedor & Mando, Erie, Pa., $60,000. Noted June 4.

Wis., Milwaukee—Dept. Pub. Wks., to G. E. Zimmermann, 3402 Grand Ave., 18 in. vitr. and 24- to 30-in. rein.-con. sewer in Euclid Ave. from Jordan Ave. to Herman St. $11,875, 12 and 15 in. sewer in Jordan Ave. from Oklahoma to Euclid Aves. $1,608; to W. T. Werner, 675 Hi-Mount Blvd., 8 and 12 in. sewer in Pine Ave. from Oklahoma to Euclid Aves. $1,392, Lennox St. from Euclid to Oklahoma Aves. $1,402, Ullrich Ave. from Oklahoma to Euclid Aves. $1,360, Sheridan Ave. from Oklahoma to Euclid Aves. $1,477, to J. Brogan & Sons, 700 Bousman St., Green Bay, 8 and 21 in. sewer in Vliet St. from 58th to 60th Sts. $4,352; to Szuklaski & Matke, 1098 Amer. Ave. 12 in. sewer in Herman St. from Oklahoma to Euclid Aves. $855, 8 and 12 in. sewer in 16th St. $1,483; to Wenzel & Henoch Co., 498 27th St., 8 and 12 in. sewer in 59th St. from Vliet St. to point south, $2,218; to H. Hohenesee, Ludington Ave., Wauwatosa, 457 ft. 96 in. monolithic concrete sewer in Jordan Ave., $23,893. Grand total $51,915. Noted July 2.

Okla., Blackwell—City, 23,115 ft. 6- to 15-in. sanitary sewers, etc. in Dist. 141, to Hansen & Milliken, Chickasha, $23,940. Noted Mar. 5.

Waste Disposal

PROPOSED WORK

Tex., Lubbock—See "Sewers."

BIDS DESIRED

Mass., New Bedford—July 27, by Bd. Health, garbage and rubbish incinerator. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. July 16.

Bridges

PROPOSED WORK

New Jersey and Pennsylvania—Towns of Stockton, N. J., and Centre Bridge, Pa., plan new wooden and steel girder bridge across Delaware River. $190,000. E. W. Redfield, Centre Bridge, Pa., interested. Engineer not selected.

Va., Fredericksburg—Richmond, Fredericksburg & Potomac R.R. Co., Broad St. Station, Richmond, plans concrete bridge, 55 or 60 ft. high, across Rappahannock River, here, $400,000, also eliminating grade crossings and enlarging station, $600,000. E. M. Hastings, ch. engr.

Tennessee—See "Streets and Roads."

Ark., Batesville—Batesville Bridge Dist. 1, Independence Co., plans 6 span 1,600 ft. concrete and steel truss bridge on piers over White River, here. $300,000. Engineer not selected.

Tex., Burkburnett—Cotton Co. (Walters), Okla., and Wichita Co. (Wichita Falls), Tex., making plans 8,360 ft. beam or concrete girder span steel and concrete bridge across Red River, between above counties, near here. $265,000. G. G. Wickline, Austin, state bridge engr. J. M. Page, state highway engr., and W. C. Burnham, bridge engr., both Oklahoma City, Okla.

Tex., Madisonville — See "Streets and Roads."

Tex., San Diego — See "Streets and Roads."

Que., Montreal — Harbor Comrs. take bids some time after July 15, substructure of northern portion of new South Shore Bridge between here and south shore of St. Lawrence. W. L. McDougald, pres.

BIDS DESIRED

Massachusetts — July 21, by Dept. Pub. Wks., Boston, 303 ft. concrete bridge and approaches on highway in Lee, and concrete bridge and approaches on 2,000 ft. highway in Bellingham; widening 3 timber bridges on highway in Revere and Saugus. W. F. Williams, comr.

Mass., Boston—July 17, by Dept. Pub. Wks. (Bridge Service), repairing Warren St. Bridge over Charles River. J. A. Rourke, comr.

N. Y., New York — July 22, by W. W. Mills, comr. Plants & Structures, Municipal Bldg., reconstructing centre pier fender at 145th St. Bridge, over Harlem River.

N. Y., Portchester — Aug. 3, by F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. and masonry bridge over Byram River, Co. Rd. 43; adv. E. N.-R. July 16.

Pa., Mercer—July 30, at office Comrs. Mercer Co., reconstructing Bridges 111 and 116, in Greene Twp., Bridge 805 Hempfield Twp., and bridge in Shenango Twp.; widening Bridge 104, Greene Twp. and Bridge 2634, Findley Twp. F. P. Graham, Grove City, co. engr.; adv. E. N.-R. July 16.

South Carolina—See "Streets and Roads."

Miss., Philadelphia — See "Streets and Roads."

Ohio — July 17, by Dept. Hys. & Pub. Wks., Columbus steel bridge on Sect "A" Nelsonville-New Straitsville., Athens Co., $1,351; concrete bridges on Sect. "C" Lisbon-Canton Rd., Columbiana Co. $2,267; and on Sect. "Prices Creek Bridges" National Rd. $15,606, 2 bridges on 0.448 mi. Sect. "Creek Bridge" National Rd. $37,485, and bridge on Sect. "E-Bridge" Dayton-Indianapolis Rd., $67,335, all in Preble Co.; concrete bridge on 0.1 mi. Sect. "C-Bridge," Fremont-Port Clinton Rd., Sandusky Co., $24,993; approaches on 0.98 mi. and bridge on 0.63 mi. Sect. "C-Bridge" Freemont-Tiffin Rd., Seneca Co., $4,221 and $65,681 respectively; bridges on 0.1 mi. Sect. "1" Cambridge-Newcomerstown Rd., and on 0.033 mi. Sect. "A-2 Bridge" Dennison-National Rd., Tuscarawas Co., $6,225 and $39,575 respectively. A. V. Donaheys, div. engr.

Indiana—July 28, by J. D. Williams, dir. State Hy. Comn., Indianapolis, (**r.c.s. means rein.-con. slab, r.c.b. rein.-con. box, r.c.a. rein.-con. arch, r.c.g. rein.-con. girder, s.t. steel truss and S. R. State Road**), 1 r.c.s. and 1 r.c.b. on S. R. 39-H, Franklin Co.; 1 r.c.a. on S. R. 37-D, Delaware Co.; 1 r.c.a. on S. R. 11-C, Madison Co., 1 r.c.g. on S. R. 11-E, Grant Co.; 3 s.t. on S. R. 10-E, Knox Co., 1 r.c.g., 3 s.t. on S. R. 11-G1, and one s.t. on S. R. 11-G2, Sullivan Co.; 2 s.t. on S. R. 8-F and 8-G, Lake Co.; 4 r.c.a. on S. R. 3-R, Wayne Co.; 3 r.c.g. on S. R. 5-G, and 1 r.c.s. on S. R. 5-H, Orange Co.; 2 r.c.g. on S. R. 13-B, Henry Co.; 1 s.t. on S. R. 13-C, Delaware Co.; 2 r.c.g. on S. R. 21-C, Wayne Co.; 2 r.c.s., 1 r.c.b. and 1 r.c.g. on S. R. 22-D, Monroe Co.; 1 r.c.s. on S. R. 4-V, Dearborn Co.; 1 r.c.g. on S. R. 53-C, Franklin Co.; 1 r.c.g. on S. R. 66-G, Spencer Co., 1 s.t. on S. R. 10-W, Lake Co.; 1 s.t. on S. R. 22-E, Morgan Co.; 1 r.c.s. on S. R. 40-F, Jefferson Co.; and 1 s.t. on S. R. 43-A, Porter Co.

Mich., Grand Haven—July 24, by Comrs. Ottawa Co., steel superstructure and rein.-con. substructure, Bridge 701402.

Missouri—July 24, by State Hy. Dept., Jefferson City, two 10 ft., two 12 ft. and two 15 ft. rein.-con. slab spans, etc., over stream in Adair Co.; two 12 ft. rein.-con. slab spans, etc., over stream, Franklin Co., four 12 ft. rein.-con. slab spans, etc., over stream, Monroe Co.; six 12 ft. rein.-con. slab spans, etc., over stream, and one 70 ft. steel truss span, etc., over Sand Creek, both in Henry Co.; two 12 ft. rein.-con. slab spans, etc., over Jug River, Ralls Co.; five 18 ft. rein.-con. slab spans, etc., over Dry Creek, and three 20 ft. rein.-con. slab spans, etc., over Cox Branch, both in Oregon Co.; two 20 ft. rein.-con. slab spans, etc., over stream, and seven 20 ft. rein.-con. slab spans, etc., over Sand Creek overflow, Henry Co.; three 24 ft. rein.-con. slab spans, etc., over south fork Bonne Femme River, Boone Co.; one 30 ft. rein.-con. deck girder span, etc., over Varney River D. D., Dunklin Co.; three 30 ft. rein.-con. deck girder spans, etc., over Grindstone Creek, and one 40 ft. rein.-con. deck girder spans, etc., over Bonne Femme Creek, one 45 ft. rein.-con. deck girder span, etc., over stream, and one 45 ft. rein.-con. deck girder span, etc., over Turkey Creek, all in Boone Co.; one 40 ft. rein.-con. deck girder span, etc., over Lebo Creek, and one 45 ft. and two 25 ft. rein.-con. deck girder spans, etc., over Little Lebo Creek, both in Henry Co.; three 45 ft. rein.-con. girder spans, etc., over Long Branch, Audrain Co.; two 80 ft. steel truss spans, etc., over Elks Fork of Salt River, Monroe Co.; repairing 200 ft. steel bridge over Jack Forks of Gasconade River, Shannon Co., and painting, etc., 170 ft. steel bridge on road from Warrenton north, Warren Co. B. H. Piepmeier, state highway engr.

New Mexico—See "Streets and Roads."

Wash., Walla Walla—July 24, by Comrs. Walla Walla Co., Wickersham Bridge, three 35 ft. T-beam spans, with center bents protected by steel nose plates or 90 ft. pony truss with wood flooring, 200 cu.yd. concrete, 200,000 lb. reinforcing and 50,000 lb. structural steel; also Meador Park Bridge, four 35 ft. T-beam spans, 313 cu.yd. concrete, 34,706 lb. reinforcing, or 120 ft. through Warren truss with wood flooring, 15,000 lb. reinforcing and 70,000 lb. structural steel. L. O. Kennedy, Walla Walla, engr.

Tex., Anson—See "Streets and Roads."

Tex., Boston—See "Streets and Roads."

BIDS RECEIVED

Massachusetts—See "Streets and Roads."

Mass., North Adams—E. R. Doble, comr. Pub. Wks., City Hall, July 2, reconstructing Holden St. Bridge, from G. H. Stebbins, North Adams, $20,906. Engrs. est. $25,000. Noted June 11.

Wis., Milwaukee—Dept. Pub. Wks., July 7, 1,110 ft. steel (fabricated) bridge, 78 ft., at Holton St., from Lakeside Bridge & Steel Co., North Milwaukee, $273,840. Engrs. est. $800,000. Noted July 2.

Wis., Milwaukee — F. Schumaker, secy. Park Bd., City Hall, rein.-con. superstructure of bridge and runways at Mason St., from Bentley Bros., 808 South Pierce St., $294,764. Noted June 25.

Missouri—State Hy. Dept., Jefferson City, June 26, 20 ft. rein.-con. slab, etc., over Yadkin Creek, Crawford Co., from Maxwell Constr. Co., Columbus, Kan., $5,911; two 12 ft. rein.-con. slab spans, etc., over Midway Creek, Bartow Co., from Uln Bois & Co., Pittsburg, Kan., $3,136; three 80 ft. rein.-con. arch spans, over Barren Fork, Ozark Co., from J. P. Harlin, West Plains, $17,721; two 40 ft. rein.-con. deck girder spans, etc. over Hogard Creek, Ozark Co., from Republic Concrete Constr. Co., Republic, $5,300; three 45 ft. rein.-con. deck girder spans, over middle fork Chariton River, also one 35 ft. and two 30 ft. rein.-con. deck girder spans, over Chicago, Burlington & Quincy R.R. tracks, both in Macon Co., from M. Haase, St. Joseph, $9,450 and $7,691 respectively; five 110 ft. rein.-con. arch spans over Meramec River, Crawford Co., from Littrel & Sprogue, Wichita, Kan., $52,301; three 80 ft. rein.-con. arch spans, and two 40 ft. rein.-con. deck girder spans, etc. over Sinking Creek, Shannon Co., from Public Wks. Constr. Co., Century Bldg., St. Louis, $33,480; one 40 ft. rein.-con. deck girder span, etc. over Grindstone Creek, De Kalb Co., from Ziegler Bros., Junction City, $5,935; one

Bridges (Continued)

55 ft. steel deck plate girder bridge, over Chicago & Rock Island R.R. tracks, Franklin Co., from W. L. Cole, Union, $5,581. Noted June 18.

Tex., Cotulla—La Salle Co., G. A. Welkhausen, judge, steel span bridge with timber piling approaches over Nercces River, from Austin Bridge Co., 1815 Clarence St., Dallas, (a) $27,373 (b) $28,663 (c) $23,667.

Calif., Los Angeles—City, from W. R. Fontaine, San Fernando Bldg., Los Angeles, bridge over Los Angeles River, at South Sherman Way, 1,020 cu.yd. Class A concrete at $18.30 per yd., 240 cu.yd. Class C concrete $19.50, 4,800 lin.ft. piling in place $115, steel rods in place $6,589, etc., total $39,465.

CONTRACTS AWARDED

Rhode Island—State Bd. Pub. Wks., State House, Providence, constructing Bridge 3, known as Apponaug Bridge, in Warwick, to Millken & Armstrong, 57 Eddy St., Providence $9,139; 19 known as Silver Spring Mill Bridge, in North Kingston, to J. D'Aloria, Franklin, Mass., $5,900; 139 known as New Harbor Road Bridge, New Shoreham, to W. V. Polleys, East Providence, $9,000; 170 known as Leland Bridge, Burrillville, and 202 known as Farnum Bridge, North Smithfield, to G. F. Austin, East Greenwich, $2,190 and $3,275 respectively; 201 known as the Pontiac Ave. Bridge, Cranston, to C. A. Haggerty, Webster, Mass., $7,800; also 11 known as Hamilton Ave. Bridge, North Kingston, to L. E. McLaughlin, 220 Jefferson Ave., New London, Conn., $46,500. Grand total $83,804. Noted July 2.

Georgia — State Hy. Dept., East Point 1,800 ft. steel and creosoted timber bridge, on Federal Aid Project 388, Brantley Co., to Austin Bridge Co., Mickleberry, Atlanta, $88,000. Noted June 18.

Minnesota—State Hy. Comn., 1246 University Ave., St. Paul, Bridge 4377, triple 80 ft. on State Rd. 5-28, Federal Aid Project 366, to Minnesota General Contractors, 727 Hennepin Ave., Minneapolis, $29,575; Bridge 4432, 30 ft. long over Willow River, on State Rd. 1-44, Sect. 5, Federal Aid Project 1, and Bridge 4412, double 80 ft., at Rutledge, to A. A. Bodin & Son, 408 Columbus Bldg., Duluth, $5,985 and $18,937 respectively; Bridge 4433, 75 ft. long at Hinckley, to Independent Bridge Co., 1101 Metropolitan Life Bldg., Minneapolis, $8,640. Grand total $63,137. Noted June 4.

Okla., Claremore — See "Streets and Roads."

Wyoming—See "Streets and Roads."

Wyoming — State Hy. Dept., Cheyenne, three concrete bridges on Federal Aid Project 166 A, near Careyhurst, Converse Co., to Sprague & Nisely Constr. Co., Casper, $31,553, engrs. est. $30,000; 130 ft. steel span bridge over Cottonwood Creek, on Federal Air Project 106,, Washakie Co., to W. P. Roscoe, Billings, Mont., $22,087, grading, to J. S. Tebbs, Lovell, Wyo., $5,629, engrs. est. $31,500; 140 ft. steel span bridge, on Wheatland-Douglas Rd., Federal Aid Project 165 A, Platte Co., to C. O'Neil, Plattville, Colo., $36,726, engrs. est. $25,000. Grand total $95,995.

Oregon—State Hy. Comn., Salem, 40 ft. concrete and steel bridge over Chetto River, Curry Co., to J. W. Badvaum, Auburn, Wash., $71,525; also concrete and steel bridge over Crooked River, Jefferson Co., to J. W. Sadler, 115 East 74th St., Portland, $116,020.

Dams

PROPOSED WORK

Okla., Walters—See "Waterworks."

BIDS DESIRED

New Brunswick — July 29, by Electric Power Comn., Frederickton, main dam across St. Johns River, also intake, tunnel and power house; adv. E. N.-R. July 16.

CONTRACTS AWARDED

O., Hinkley (mail Brunswick)—Bd. Park Comrs., Cleveland Metropolitan Park Dist. Bd., West 3rd St. and Frankfort Ave., Cleveland, concrete dam, here, 15,000 cu.yd. excav., 150,000 lb. reinforcing; to Forschner Co., East 10th St. and St. Clair Ave., $80,605. Noted July 2.

Railways

PROPOSED WORK

Missouri — City of St. Louis soon takes bids standard gage railroad track to connect with Terminal R. R. tracks and extending into City Block 436. $40,000.

Arkansas — See "Buildings—Industrial under El Dorado."

Arkansas and Missouri—Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., L. W. Baldwin, pres., plans 10.3 mi. additional double track south of Little Rock from Cypress to Benton, Ark., $395,000; also installing automatic block signals to protect 234 mi. line between St. Louis, Mo. and Texarkana, Ark., $865,000, etc. E. A. Hadley, ch. engr.

Arizona — Grand Canyon Ry. Co., Williams, subsidiary Atchison, Topeka & Santa Fe Ry., Ry. Exch. Bldg., Chicago, plans improving lines from Williams to Grand Canyon. $300,000. C. F. W. Felt, Chicago, ch. engr.

Oregon and California — Central Pacific Ry., subsidiary of Southern Pacific Co., 65 Market St., San Francisco, applied to Interstate Commerce Comn., for authority to construct 40 mi. line from Klamath Falls, Ore., to Cornell, Calif. G. W. Boschke, San Francisco, ch. engr.

Ontario—Toronto Transportation Comn., Yonge and Front Sts., Toronto, plans extending double tracks street railway, on Bloor St. from Lansdowne Ave. to Dundas St. in Toronto. $100,000. Work will probably be done by day labor. D. W. Harvie, Yonge and Front Sts., Toronto, engr.

BIDS DESIRED

New Brunswick — July 18, by Electric Power Comn., Frederickton, spur line railway in connection with development of Grand Falls.

CONTRACTS AWARDED

California — See "Excavation, Drainage Irrigation, Levees under Manteca."

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Neb., Taylor—Loup Co., c/o Clerk, plans constructing dam, and ditches, Calamus irrigation ditch covering 10,000 acres. $500,000.

Calif., La Mesa—La Mesa Lemon Grove & Spring Valley Irrigation Dist., making plans 110,000 lin.ft. 6- to 20-in. pipe, $250,000, small pumping plants $10,000, and several small balancing reservoirs $30,000. T. H. King, Fletcher Bldg., San Diego, engr.

BIDS DESIRED

Ind., Crown Point—July 20, by H. P. Spears, engr., Crown point, draining 27,315 ft. ditches, for Lake Co.

Calif., La Canada — La Canada Irrigation Dist. taking bids 16,400 lin.ft. 4- to 8-in. either standard black screw, black line, or O. D. plain end pipe. H. Hawgood, H. W. Hellman Bldg., Los Angeles, engr.

CONTRACT AWARDED

Ark., Newport—D. D. 12 of Jackson Co., 600,000 cu.yd. excav., to G. W. Clark Constr. Co., 4043 Botanical Ave., St. Louis, Mo., $68,700. Noted Mar. 13.

Calif., Manteca—Directors Manteca Irrigation Dist., constructing Melones Dam, on Stanislaus River, in Tuolumne and Calaveras counties, also Melones Dam Railway and Wagon Rd. near above, for South San Joaquin Irrigation Dist., Manteca, and Oakdale Irrigation Dist., Oakland, to Mathews Constr. Co., Forum Bldg., Sacramento, $771,315 and $212,906 respectively. Noted June 18.

Streets and Roads

PROPOSED WORK

Mass., Melrose—Bd. Aldermen plans election $65,000 appropriation, constructing various streets.

Mass., West Roxbury (Boston P. O.) — Street Layingout Dept., Boston, plans reconstructing Westmore Rd. as highway, here. $25,000. J. F. Sullivan, secy.

N. J., Asbury Park—Plans curbing and sidewalks on all streets. $75,000. N. Rogers, city engr.

N. J., Bound Brook — Somerset Co. (Somerville) plans concrete paving Vesseller Ave., here. H. C. Emburgh, North Plainfield, engr.

N. J., Fort Lee—Bergen Co. (Hackensack) plans extending and improving Lemoine Ave., here. $100,000. R. P. McClave, Hackensack, co. engr.

N. J., Highland Park — **Middlesex Co.** (New Brunswick) plans grading, curbing and concrete paving 14,713 sq.yd. various streets, here. R. P. Wilson, 46 Patterson St., New Brunswick, engr.

N. J., Princeton—Mercer Co. plans concrete paving 1,990 ft. Witherspoon St. $32,000. G. M. Brown, city engr.

W. Va., Glenville — Gilmer Co. election Aug. 5, $180,000 bonds, improving roads in Troy Dist. R. H. McQuinn, Glenville, engr.

Fla., West Palm Beach—Election July 14, $120,000 bonds, sidewalks on streets to be widened, etc.

Miss., Yazoo City—Making preliminary plans grading, curbing and paving 12 blocks Grand, Calhoun, Canal, 3rd, North and Powell Sts., also 8 in. vitr. clay sewers in Grand Ave. from 8th to 15th Sts. $40,000.

La., Rayville—Making preliminary plans grading, curbing and concrete paving 2,676 ft. various streets in business district. $30,261. C. D. Evans, Shreveport, engr.

La., Winnsboro — Making preliminary plans grading and hardsurfacing Monroe-Winnsboro-St. Joseph Highway, through Tensas, Franklin, Richland and Ouachita Parishes. $215,000.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, soon takes bids grading, bridging, etc., 6 mi. Crab Orchard-Ozone Rd., Cumberland Co.; 1.5 mi. road from Alcoa to State Aid Project 141, Blount Co., and bituminous oil treating 15.5 mi. Dresden-McKenzie Rd., Carroll and Weakley Counties. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, plans oil surfacing treating 200 mi. various roads at $600 per mi. J. G. Creveling, highway comr.

Tenn., Murfreesboro—Rutherford Co.—Making surveys improving 10 mi. Murfreesboro-Shelbyville Rd. J. G. Creveling, Nashville, highway comr.

O., Canton—Plans asphalt paving 0.75 mi. 23rd St., N. W., 40 ft. $30,000. W. E. Sarver, Canton, engr.

O., Cincinnati—Hamilton Co. plans concrete paving 7,100 sq.yd. Cincinnati-Zanesville Rd. $25,000. E. A. Gast, Court House, engr.

Ind., South Bend—St. Joseph Co. plans grading and graveling 3.85 mi. Schumacher Rd., 24 ft., $26,276; 3.9 mi. Woodward Rd., $27,414; and 4.2 Zlutz Rd., $28,922. P. R. Gillin, South Bend, engr.

Michigan — State Hy. Dept., at office Comrs. Ingham Co., Mason, received no bids June 29, concrete paving 1.107 mi. State Trunk Line Rd. 14-36 CE-2. Noted June 25.

Mich., River Rouge—Plans 7 in. concrete paving, etc. 9 various streets. $150,000. M. L. Brown & Son, 407 Capitol Bldg., Detroit, engrs.

Ill., Flora — Plans paving 42 blocks various streets. A. C. Stanfield, Pana, engr.

Ill., Peoria—Plans grading, curbing and concrete surfacing 8 blocks Greellawn Ave. $44,482. W. E. Backes, City Hall, engr.

Wis., Racine — Making plans and soon takes bids 12,000 sq.yd. one course rein.-con. paving State St. J. W. Beaugrand, City Hall, engr.

Ia., Des Moines — Made plans widening, curbing, paving, etc. Carpenter Ave. and 21st St., $8,554; reconstructing and curbing South 6th St. from Indiana to Court Aves., $71,621; paving Douglas Ave. from 2nd to 6th Sts. $14,085, Cornell St. from Euclid to Sheridan Sts. $24,385, and Douglas St. from 12th to 16th Sts., $14,089. K. C. Kastburg, city engr.

Ia., Eagle Grove — Making preliminary plans grading, curbing and hardsurfacing various streets. $42,250.

Minn., Sleepy Eye—Plans paving about 8 blocks Main St. $30,000. A. J. Thomas, city clk.

Neb., Lincoln—Plans curbing and paving Dist. 578. $64,000. D. L. Erickson, City Hall, engr.

Mo., Kansas City — Making preliminary plans grading Linwood Blvd. $25,000. P. McGeehan, engr.

Mo., St. Louis—Soon takes bids widening and gravel surfacing road in Carondelet Park, $1,700; graveling Jefferson Dr. in Forest Park, $21,500; rein.-con. retaining walls for Fairground Swimming Pool, $10,000.

Arkansas — Plans grading and gravel surfacing 8 mi. Pine Bluff-Rison Highway, 18 ft. Jefferson and Cleveland Counties to furnish labor, cities of Pine Bluff and Rison to furnish material and state to maintain road.

Ark., Conway—Making preliminary plans grading, curbing and 5 in. concrete surfacing 2,550 ft. Impvt. Dist. 11. G. D. Douglas, Southern Trust Bldg., Little Rock, engr.

Ark., Russellville — Making preliminary plans grading, curbing and hardsurfacing 20 blocks various streets in Impvt. Dist 5. F. Ragsdale, city engr.

Tex., Canyon—Randall Co. voted $30,000 bonds, improving roads in Dist. 4. R. L. Lester, Canyon, co. judge.

Tex., Decatur—Wise Co., c/o S. M. Ward, judge, election Sept. 12, (extended date), $1,000,000 bonds, improving various roads. H. R. Smith, Decatur, co. engr. Noted June 18.

Streets and Roads (Continued)

Tex., Lubbock — Voted $50,000 bonds paving various streets. J. R. Germany, city secy. Noted July 2.

Tex., Madisonville—Madison Co., making plans improving incl. bridges on 34 mi. State Highway 21, between Byron and Crockett, and Madisonville and Trinity River, Federal Aid Project 486. $585,000. A. McCormick, Madisonville, engr.

Tex., San Diego—Duval Co. making plans grading, bridging, etc. 13.33 mi. State Highway 12-A, $140,000; grading, bridging and gravel surfacing 3.98 mi. State Highway 12-A, $35,000. F. E. Hess, Floresville, engr.

Tex., Stephanville — Erath Co. making plans surfacing with 3 in. brick, asphalt filler on 6 in. compacted macadam 1 mi. State Highway 1, State Aid Project 563. $35,000. J. H. Corbett, Stephanville, engr.

Okla., Carmen—Making surveys grading and concrete surfacing 10,000 sq.yd. Main St. $30,000 H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Okla., Hollis—Plans grading and sheet asphalt surfacing 12,000 sq.yd. Main St. $60,000. Gantt-Baker Co., 1116 West Main st., Oklahoma City, engrs.

Okla., Norman—Plans grading, curbing and concrete-surfacing 10,150 sq.yd. Symnes and Flood Aves. $32,000. F. Cobb, Norman, engr.

Okla., Oklahoma City — Plans grading and sheet asphalt surfacing 4,800 sq.yd. Elizabeth Ave. $25,000. B. Hart, City Hall, engr.

Okla., Poteau — Plans grading, curbing and concrete surfacing 9,100 sq.yd. Church St. $28,000. J. E. Davis, Poteau, engr.

Okla., Sapulpa — Plans grading, curbing and concrete surfacing 7,700 sq.yd. North Mission St. $26,000. F. E. Lawrence, Sapulpa, engr.

Okla., Tecumseh — Pottawatomie Co. election Aug. 4, $750,000 bonds, grading and concrete surfacing 500,000 sq.yd. various roads. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Arizona—State Hy. Dept., Phoenix, making surveys grading and gravel surfacing 8 mi. road between Federal Aid Projects 66 and 67, Graham Co., to exceed $25,000; and 16 mi. road from Federal Aid Project 77 to New Mexico state line, Greenlee Co., to exceed $25,000. W. W. Lane, State House, Phoenix, highway engr.

Ore., Portland—Soon takes bids grading and paving 26 blocks Powell St. $135,000. A. Laurgaard, city engr.

Calif., Delano—Plans 1½ in. Warrenite on 4 in. concrete paving approximately 11 blocks of various streets. To exceed $25,000.

Calif., Mountain View—Making plans 1½ in. Warrenite bitulithic on 3½ in. asphaltic concrete paving 150,000 sq.ft. Castro St. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Oakland—City and Alameda Co. plan paving Peralta St. between San Pablo Ave. and 7th St. $65,000. W. W. Harmon, city engr.

Calif., Redondo Beach—Made plans improving South Gertruda Ave., etc., 2,724 sq.ft. grading, 25,625 sq.ft. sidewalks, 2,069 sq.ft. rock and oiling, and 94,943 sq.ft. 5 in. concrete paving. V. H. Stahell, city engr.

Calif., San Diego—Common Council plans improving Barnett Ave., 4,186 lin.ft. concrete curbing, 115,637 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete paving. F. A. Rhodes, city engr.

Calif., Santa Cruz—Plans prepared grading, curbing, and 5 in. concrete paving 84,540 sq.ft. Caledonia St. between Soquel Ave. and Bway. H. E. Godegast, city engr.

Calif., Santa Cruz—Santa Cruz Co. made plans improving 2.71 mi. Coast Rd., from Laguna Creek to Davenport, incl. 2,034 cu.yd. excav., 229,314 sq.ft. oil macadam paving, 2,936 tons Logan Quarry waste or equal. L. Bowman, Santa Cruz, co. surv.

Calif., Ventura—Making plans curbing, sidewalks and paving various streets. $750,000-$1,000,000. C. W. Pierce, city engr. Noted Aur. 30.

Ont., Niagara Falls—Plans asphaltic concrete paving 4,500 ft. Buttrey St. from Terrace to Victoria Aves. $46,419. Work will probably be done by day labor. T. S. Scott, City Hall, engr.

Ont., Stratford—Plans bituminous paving Romeo St. $23,426, and Albert St., $2,552. Work involves 10,000 sq.yd. bituminous macadam. A. B. Mason, City Hall, engr.

Ont., Toronto—Plans bituminous concrete paving 7,000 sq.yd. St. Clair Ave. E., $27,000; and asphaltic concrete paving 1,000 ft. Herons St., $4,554. R. C. Harris, City Hall, engr.

BIDS DESIRED

Massachusetts — July 21, by Dept. Pub. Wks., Boston, bituminous concrete surfacing 3,505 ft. highway in West Bridgewater, 5,700 ft. highway in East Bridgewater, and 12,204 ft. highway in Sandwich; gravel and bituminous surfacing 1,250 ft. highway in Medfield, all 18 ft. W. F. Williams, comr.

Mass., Boston — July 20, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Presentation Rd., Brighton, and Sturgess and Winton Sts., West Roxbury. $25,000. J. A. Rourke, comr.

Mass., Somerville—Taking bids widening and underground drain in Middlesex and Mystic Sts. $200,000. E. W. Bailey, city engr.

New York — July 31, by A. W. Brandt, comr. Highways, Albany, grading 16.3 mi. Contracts 1699 and 5701, Conduit Blvd., Nassau Co.; adv. E. N.-R. July 16.

New York—Aug. 3, by F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, rein.-con. and asphaltic concrete paving 0.57 mi. Dale Ave., Ossining; and 1.05 mi. Willett Ave., Portchester,; adv. E. N.-R. July 16.

N. Y., Brooklyn — Aug. 11, by R. K. Fuller, comr. Canals & Waterways, Albany, paving certain portions of barge canal terminal in Gowanus Bay, here; adv. E. N.-R. July 16.

N. Y., New York—July 20, by J. Miller, pres. Manhattan Boro, curbing, recurbing, flagging, reflagging, and stone filled sheet asphalt paving Riverside Dr. from point 475 ft. north to point 450 ft. south of Lafayette Plaza; granite block paving Riverside Dr. from point 450 ft. south to point 955 ft. south of Lafayette Plaza; sheet asphalt paving east and west sides of Bway., Columbus Circle, and 71st St.

New Jersey — July 24 by Freeholders Burlington Co., Mt. Holly, asphalt paving 18,666 sq.yd. Branch Pike, Cinnaminson Twp., and 4,300 sq.yd. Front St., in Florence. H. B. Smith, Mt. Holly, co. engr.

N. J., Summit — July 21, by Common Council, paving and grading, etc. Springfield Ave., Beechwood Rd., and Maple St., recurbing, etc. portions of Springfield and Woodland Aves. J. C. Brigham, city engr.; adv. E. N.-R. July 16.

Pa., Ellwood City — July 24, at office E. B. Moyer, boro secy., paving 2nd St., Border, Glen and Todd Aves., A. Main, boro engr.; adv. E. N.-R. July 16.

Pa., Phila.—July 21, by Bureau of Highways & Dept. Pub. Wks., (Schedule A) grading 51,668 cu.yd. 18 streets; (Schedule B) asphalt paving 42,646 sq.yd. 17 streets; (Schedule C) country road improving 3,750 sq.yd. 2 streets; (Schedule D) asphalt repaving 4,227 sq.yd. 2 streets; (Schedule E) redressed granite block repaving 32,109 sq.yd. 5 streets; (Schedule F) furnishing 2,500 tons asphalt surface and 2,000 tons concrete binder mixtures. G. H. Biles, dir.

Delaware—Aug. 5, by State Hy. Dept., Dover, concrete paving, etc., 3.732 mi. Blackiston Cross Rds., Clayton, Contr. CK11, 3.95 mi. Thompsonville-DuPont Rd., Contr. CK29; grading, etc., 1 mi. White Oak Rd., Contr. 55; adv. E. N.-R. July 16.

Virginia—July 23, by State Hy. Comn., Richmond, grading, curbing, bridging and surfacing 35, F-145-E, Prince George Co.; 36, F-167-E, Clarke Co.; 32, F-187, Prince Edward and Charlotte Counties; and 11, F-344-C, Wise Co.; adv. E. N.-R. July 16.

Va., Fayetteville—Aug. 3, by Fayette Co. Court, T. Boone, clk., grading, bituminous macadam surfacing, etc. Clifftop Danese Rd., Project S Mt. 52; adv. E. N.-R. July 16.

W. Va., Glenville—July 22, by Gilmer Co. Court, N. E. Rymer, clk., constructing Project 3280, 4.2 mi. Glenville-Braxton Co. line Rd. and Project 3, 3 mi. Main County Rd. from Glenville to De Kalb Dist. line. R. H. McQuinn, engr.

N. C., Chapel Hill — July 20, by W. S. Roberson, mayor, curbing, guttering, concrete and asphalt paving, etc., 20,000 sq.yd. various streets. G. White, Durham, engr.

South Carolina — July 28, by State Hy. Dept., 1626 Main St., Columbia, **(S. R. means State Route, S. P. State Project and F. A. P. Federal Aid Project)** sand clay surfacing, etc. 11.76 mi. S. R. 45, S. P. S-588-A, Orangeburg Co., and 7.2 mi. S. R. 331, S. P. S-542, Allendale Co., A. T. Brown, Scovil Bldg., Orangeburg, engr., 10.1 mi. S. R. 341, S. P. S-547, Florence Co., J. M. Martin, Florence, engr.; granite paving, etc. 3.263 mi. S. P. 7, F. A. P. 235-A, Chester Co. and 2.7 mi. S. R. 73, S. P. S-582-A, Lancaster Co.; grading, etc. and 184 ft. creosoted timber bridge over Cuffytown Creek, on 8.3 mi. S. R. 43, F. A. P. 268-B, McCormick Co., E. D. Sloan, Court House, Greenville, engr.; earth approaches to Scrape Ore Swamp Bridge on S. R. 42, F. A. P. 238, Lee Co., and to Chinquapin Creek Bridge, on S. P. S-520-C, Aiken-Lexington Counties, 100 ft. creosoted timber bridge on S. R. 9, F. A. P. 68-A, Chester Co.

Florida — Aug. 4, by State Road Dept., Tallahassee, grading and waterbound macadam surface course on Florida lime rock paving, etc., about 10 mi. Project 669-B-Rd. 27, Dade Co. J. L. Cresap, highway engr.

Fla., Clearwater — July 20, by C. E. Mason, city mgr. improving portion of South Fort Harrison Ave., 13,660 sq.yd. brick or asphalt, 13,660 sq.yd. lime rock base, 6,650 lin.ft. concrete curbing and guttering, for City. $30,000.

Ala., Tuskegee — July 28, by L. W. Johnston, mayor, and Bd. Councilmen, grading, improving water mains and paving 37,000 sq.yd. various streets. G. L. Moulton, Tuscaloosa, engr.; adv. E. N.-R. July 16.

Fla., West Palm Beach—July 24, by City Comn., grading, curbing, guttering, etc., various streets. T. B. Henry, city engr.; adv. E. N.-R. July 16.

Miss., Philadelphia — July 28, by Bd. Supervs. Neosho Co. improving 10.629 mi. Federal Aid Project 74-A, 34.2 acres clearing, 7 acres grubbing, 57,764 cu.yd. excav., 54,808 cu.yd. borrow, 760 ft. 18 in. culvert pipe, 23,705 lb. reinforcing, 7.22 mi. Bermuda sod, bridges include 180,862 ft. creosoted and 9,180 ft. untreated timber, 32,402 ft. creosoted piling, 21,570 lb. reinforcing, etc. H. C. Dietzer, Jackson, engr.

Ohio — July 17, by Dept. Hys. & Pub. Wks., Columbus grading, bridging and paving 90.205 mi. roads in Ashtabula Columbiana, Crawford, Erie, Fairfield Fulton, Henry, Huron, Jefferson, Logan, Lucas, Madison, Medina, Meigs, Mercer, Montgomery, Noble, Ottawa, Portage, Richland, Seneca, Summit, Trumbull, Tuscarawas, Washington, Wayne and Williams Counties; grading and structures on 22.734 mi. roads in Columbiana, Hancock, Holmes-Wayne, Lawrence, and Muskingum Counties; approaches on 0.321 mi. roads Preble and Seneca Counties; furnishing gravel in Preble Co., experimental work in Tuscarawas Co. A. V. Donaheys, div. engr.

O., Cleveland—July 22, by City, paving East Blvd., Carnegie and Sandusky Aves., Bancroft Ave. S. E., Cedar Ave. S. E., East 37th, 104th, 120th, 135th, 146th, West 40th, 85th, 111th, 127th and 159th Sts. R. Hoffman, City Hall, engr.

O., Dayton—July 23, by Comrs. Montgomery Co., macadam, rock asphalt, brick or concrete paving 2,700 ft. Wayne Ave., 2,000 ft. Kammer Ave. $25,000 each. W. O. Pease, Dayton, co. surv.

Michigan—July 23, by State Hy. Dept. at office Comrs. Van Buren Co., Paw Paw, concrete paving 2.257 mi. Federal Aid Rd. 203A, 18 ft. G. C. Dillman, Lansing, highway engr.

Michigan—July 24, by State Hy. Dept. at office Comrs. Huron Co., Bad Axe, concrete paving 1.248 mi. Trunk Line Rd. 31-16, 20 ft., also 0.948 mi. Trunk Line Rd. 31-15, 18 ft. G. C. Dillman, Lansing, highway engr.

Michigan—July 24, by State Hy. Dept. at office Comrs. Montcalm Co., Stanton, graveling Trunk Line Rd. 43-5 BC. G. C. Dillman, Lansing, highway engr.

Michigan—July 24, by State Hy. Dept. at office Comrs. Montcalm Co., Stanton, graveling 5.71 mi. Trunk Line Rd. 43-11 AB, 16 ft. G. C. Dillman, Lansing, highway engr.

Ill., Northbrook—July 22, by Village Bd., grading and concrete surfacing 11,000 sq.yd. Walters Ave. $46,500. Consoer, Older & Quinlan, Marquette Bldg., 140 South Dearborn St., Chicago, engrs.

Ill., Winthrop Harbor—July 20, by H. Abrahamson, village clk., improving Main St., 10,200 cu.yd. excav., 1,800 ft. 8 in. drain pipe, 14,500 sq.yd. paving, etc. J. Anderson, Jr., Lake Forest, engr.

Wisconsin—July 23, at Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, **(F. A. P. means Federal Aid Project)** constructing 0.82 mi. Stinson Hill Rd., F. A. P. 351-A, Green Lake Co; gravel surfacing, etc. 2,764 cu.yd. Friendship-Arkdale Rd., F. A. P. 182, 2,917 cu.yd. Friendship-Kilbourn Rd., F. A. P. 279, 2,169 cu.yd. Kilbourn-Friendship Rd., F. A. P. 131 and 2,032 cu.yd. Kilbourn-Wisconsin Rapids Rd., F. A. P. 394-C, all foregoing in Adams Co. J. T. Donaghey, Madison, highway engr.

Wis., Milwaukee—July 20, by Bd. Pub. Wks., 8 in. vibrolithic concrete paving 12,919 sq.yd. Atkinson Ave.; 7 in. vibrolithic or one-course concrete paving, etc., 5,038 sq.yd. Montana St.; asphalt resurfacing 7,070 sq.yd. Teutonia Ave.; also concrete paving 12,583 sq.yd. various alleys.

Wis., Milwaukee—July 21, by Dept. Pub. Wks., sheet asphalt resurfacing 22,366 sq.yd. Newberry Blvd.; cement sidewalks on 2,977 sq.ft. Rhode Island Ave., etc., and 8,343 sq.ft. 55th St.; one-course concrete paving 7,700 sq.yd. Vliet St. and concrete paving, etc. 14,130 sq.yd. various alleys.

Wis., Milwaukee—July 2, by W. J. Cary, clerk Milwaukee Co., improving 0.8 mi. St. Francis Ave., 6,500 cu.yd. excav., 7,600 lb. reinforcing, 15,175 sq.yd. concrete or vibrolithic concrete paving, etc. J. T. Donaghey, Madison, highway engr.

Minn., St. Paul—July 21, by F. S. Gram, city purch. agt., grading and paving Mississippi River Blvd. from West 7th St. to

Streets and Roads (Continued)

end of present paving and Mississippi River Blvd. from West 7th St. to Ft. Snelling Bridge approach. $75,000. G. M. Shepard, city engr.

Nebraska—July 29, 30 and 31, by R. L. Cochrane, secy. Dept. Pub. Wks., 417 mi. gravel surfacing, 290 mi. grading, 4.5 mi. paving, 44 bridges, etc., on state roads. $2,500,000. R. L. Cochrane, highway engr.

North Dakota — July 23, by State Hy. Comn. and Comrs., Wells Co., Court House, Fessenden, graveling 10.22 mi. Federal Aid Project 90, south of Hurdsfield.

Missouri—July 24, by State Hy. Dept., Jefferson City, grading, etc., 15,184 cu.yd. Oregon-Savannah Rd., Andrew Co., 71,213 cu.yd. Pickering-Maryville Rd., Nodaway Co., 40,261 cu.yd. road from Macon north, Macon Co., 21,982 cu.yd. road from Lipton, east and west, Pettis Co., 60,387 cu.yd. road from Kirksville south, Adair Co., 54,837 cu. yd. Oregon-Savannah Rd., Holt Co.; 30 ft. grading, etc., 73,317 cu.yd. road from La Plata south, Macon Co., 25,575 cu.yd. road from Marceline north, Linn Co., 24,802 cu. yd. road from Hartville south, Wright Co., 5,133 cu.yd. Kansas City-St. Joseph Rd., Platte Co. 36,176 cu.yd. road from St. Clair west, and 36,524 cu.yd. road from St. Clair east and west, both in Franklin Co., 46,194 cu.yd. Columbia-Ashland Rd., Boone Co., 36,132 cu.yd. road from Alton east, and 13,547 cu.yd. Koshkonong-Thayer Rd., both in Oregon Co., 18,073 cu.yd. road from Millard south, and 19,168 cu.yd. Millard-La Platta Rd., both in Adair Co., 143,-070 cu.yd. Clinton-Calhoun Rd., Henry Co.; 16 ft. gravel surfacing 2,761 cu.yd. Troy-Hawkpoint Rd., Lincoln Co., 4,491 cu.yd. Benton-Charleston Rd., Scott Co., 81,219 cu. yd. New London-Perry Rd., Ralls Co., 8,773 cu.yd. Paris-Mexico Rd., Audrain Co., 17,-825 cu.yd. Paris-Mexico Rd., Monroe Co., 5,726 cu.yd. Campbell-Clarkton Rd., and 5,424 cu.yd. road from Ipley east and west, both in Dunklin Co.; 18 ft. gravel surfacing 4,070 cu.yd. road from Macon south, Macon Co.; 9 ft. concrete paving 24,570 sq.yd. Pickering-Maryville Rd., Nodaway Co.; 18 ft. concrete paving 45,269 sq.yd. Oregon-Savannah Rd., Andrew Co., 63,804 sq.yd. road from Kirksville south, Adair Co., 52,-232 sq.yd. road from Macon north, Macon Co., 82,189 sq.yd. Oregon-Savannah Rd., Holt Co.; 18 ft. rock asphalt on sledge stone paving road from Lipton east and west, Pettis Co.; 18 ft. penetration macadam on sledge stone surfacing 32,808 sq. yd. road from Lipton north and south, Pettis Co. B. H. Piepmeier, state highway engr.

Mo., Neosho—July 21, by D. Lewis, city clk., improving Main, Wood, Spring and Washington Sts., 2,600 cu.yd. excav., 9,600 sq.yd. 7 in. concrete paving, etc. Black & Veatch, Mutual Bldg., Kansas City, engrs.

Tex., Anson—Jones Co. taking bids grading, bridging, etc., 9.68 mi. State Highway 30, Federal Aid Project 493-A, $60,000. J. W. Puckett, Stamford, engr.

Tex., Boston — July 24, by State Hy. Engineer, Austin, clearing, grubbing, bridging, grading and concrete paving 10.29 mi. State Highway 1, Federal Aid Project 474, Bowie Co., $349,939. D. K. Caldwell, Texarkana, engr.

Tex., San Angelo—Taking bids permanent paving 10 blocks various streets. $160,000. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 23.

Tex., San Antonio—Taking bids paving St. Marys, Augusta, Convent and Dolorosa Sts. $30,000. I. Ewig, city engr.

Tex., Port Arthur—Taking bids asphaltic surfacing 95,000 sq.yd. various streets, $140,000. J. O. Herpin, engr.

New Mexico—Aug. 3, by State Hy. Dept., Santa Fe **(F. A. P. means Federal Aid Project)** grading and one-course gravel surfacing 36,172 cu.yd. F. A. P. 131-A, Eddy Co.; grading and two-course crushed caliche surfacing 31,422 cu.yd. F. A. P. 30-C, Lea Co.; grading and two-course crushed stone surfacing 9,091 cu.yd. F. A. P. 121-A, Socorro Co., and 12.06 mi. F. A. P. 106-B, Otero Co.; grading and bridging, etc., 0.462 mi. F. A. P. 107-A, Dona Ana Co.; three 140 ft. steel spans, etc. over Felix River, on F. A. P. 108-A, Chaves Co.; also Ute Creek Bridge, on F. A. P. 117, Harding Co. J. A. French, highway engr.

Nevada — July 29, by State Hy. Dept., Carson City, grading, etc. 2.54 mi. Sparksvista Rd., Washoe Co., 62,930 cu.yd. excav., etc. G. W. Borden, highway engr.

Calif., Glendale — City Trustees taking bids improving San Fernando Rd., 1,468,-976 sq.ft. grading, 1,259,520 sq.ft. paving, etc. J. F. Johannsen, city engr.

Quebec — July 17, by J. L. Boulanger, deputy minister Dept. Rds., Quebec, 79,356 ft. oiled macadam road in Laval Co.

Ont., North Bay—July 17, by J. Lyons, minister Lands & Forests, Toronto, graveling 20 mi. North Bay-Cochrane Trunk Rd. $200,000. C. H. Fullerton, Parliament Bldgs., engr.

Ont., Saulte Ste. Marie—July 17, by J. Lyons, minister Lands & Forests, Parliament Bldgs., Toronto, graveling 18 mi. Haviland Bay Rd., here, for Northern Development Branch Provincial Highways. $200,000.

Ont., Saulte Ste. Marie—July 20, by R. G. Campbell, city clk., curbing, guttering and rein.-con. paving 17,000 sq.yd. various streets. $50,000. L. R. Brown, city engr.

Mexico, Coahuila, Saltillo — July 31, by Comrs. Pub. Wks., improving various streets, 170,000 sq.yd. bituminous macadam pavements, 4,700 yd. concrete storm sewers, 22- to 60-in. diam., etc. $300,000.

BIDS RECEIVED

Massachusetts — Dept. Pub. Wks., Boston, bituminous macadam surfacing 1,485 ft. highway in North Andover, from M. McDonough, Humphrey St., Swampscott, $9,129, 5,207 ft. highway in Dracut, from G. O. Allen, Dracut, $22,657; bituminous concrete paving 6,438 ft. highway in Nantucket, from M. F. Roache, 355 Spring St., Bridgewater, $27,173; rein.-con. bridge and bituminous macadam paving 2,351 ft. highway in Harvard, from R. E. Bull, 151 Harrison Ave., Fitchburg, $24,633; steel bridge and gravel surfacing 3,400 ft. highway in Tolland & Sandisfield, from C. B. Lindholm, 24 Norton St., Pittsfield, $64,277. Noted July 9.

Rhode Island — State Bd. Pub. Wks., State House, Providence, bituminous macadam paving 2.91 mi. West Main Rd., Middletown and Portsmouth, from Walsh. & Co., 113 State St., Boston, $80,555. Noted June 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., July 9, from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, curbing, flagging, asphalt paving, etc. Van Alst Ave. $114,347, from Welsh Bros. Contg. Co., 32 Queens St., Astoria, Ely Ave. $36,078; from Gifford Constr. Co., Fulton St., Jamaica, regrading, etc., and constructing drains for Beach Channel Dr. $40,180; from Sprague Constr. Co., paving Beach Channel Dr. $145,400, from Cleveland Trinidad Paving Co., Flushing, 6th Ave. $12,819, Washington Ave. $15,807, Fremont St. $16,-061, from Pegno Constr. Co., 380 Freeman Ave., Astoria, Marion St. $10,506, Caspian St. $12,021. Park Lane $68,708; from Sicilian Asphalt Paving Co., 41 Park Row, New York City Welling St. $14,005, Gamma Pl. $10,900, from H. E. Kordes Co., 2577 Cooper St., Brooklyn, Marabel Ave. $8,850 from C. H. Georgi, 15 Ely Ave., St. James St. $1,966, Bell Blvd. $1,077, from C. Kurth, 9519 126th St., Richmond Hill, 87th St. $4,589. Noted July 2.

N. J., Mt. Ephraim—Centre Twp. Com., June 29, sidewalks on various streets, from New Area Concrete Co., 2623 Westfield Ave., Camden, $73,387.

N. J., Newton—Bd. Freeholders Sussex Co., July 1, rein.-con. paving 1¼ mi. Ross Corner-Sussex Rd., from C. Sebolt, 10 Richmond St., New Brunswick, $47,292; shale surfacing 60,335 sq.yd. Sussex-Coleville Rd., from Gallagher & Cozine, 10th Ave., Paterson, $75,347. Noted June 18.

N. J., Pennington—Hopewell Twp. Com., July 6, concrete paving 2 mi. Pennington Hopewell Rd., from Sigafoos & Poore, Frenchtown, $68,015.

N. J., Perth Amboy—State Hy. Comn., Trenton, constructing Route 4, Sect. 33, Perth Amboy Bridge cutoff, Middlesex Co., incl. 36,120 sq.yd. concrete, 21,600 sq.yd. excav., from J. F. Chapman, Hillside, $168,941. Noted July 2.

N. J., Plainfield—Common Council, sheet asphalt paving 30,770 sq.yd. South Ave., fram Weldon Constr. Co., Westfield, $158,-609. Noted June 11.

Pennsylvania — Dept. Hys., Harrisburg, July 7, **(R. means Route and A. means Application)**, one course rein.-con. paving 6,721 ft. R. 276, Sect. 6, A. 3258, Cambria Co., from McClure & Bingner Co., Inc., 1014 and 1015 U. S. Natl. Bank Bldg., Johnstown, $146,554, 1512 ft. R. 73, Butler Co., from Penn-Erie Constr. Co., Erie, $23,-084, 15,630 ft. R. 53, Sect. 1, Blair-Cambria Co., and 9,960 ft. R. 20, Sect. 7, Lycoming Co., from A. W. Hinaman, Somerset, $134,-480 and $100,632 respectively, 32,746 ft. R. 189, Sect. 3, Armstrong-Indiana Counties, from M. Bennett & Sons, Indiana, $294,541, 18,200 ft. R. 142, Sect. 2, Chester Co., from Juaniata Co., 410 Empire Bldg., Phila., $145,359, 29,225 ft. A. 2696, Montgomery Co., from Soudor Constr. Co., 349 Woolworth Bldg., Lancaster, $203,231, 38,474 ft. R. 158, A. 2931, Lehigh Co., from General Paving Co., 24 B. & B. Bldg., Allentown, $270,324, 2,412 ft. R. 281, Bucks Co., from Haydock-Martin Co., Inc., Germantown Ave. and Durham St., Phila., $22,298, 1,072 ft. R. 108, Sect. 1-A, Washington Co., from Johnson & Kearns Co., Box 193, DuBois, $12,891; bituminous surface course on concrete or one course rein.-con. paving 6,895 ft. R. 85, A. 3420, Erie Co., from McDermott Constr. Co., 414 Pratt St., Niles, O., $47,878; bituminous macadam penetration method on broken stone surfacing 8,349 ft. A. 2828, Huntingdon Co., from W. C. Guncheon & Co., Masonic Bldg., Harrisburg, $70,753. Noted June 25.

Delaware—State Hy. Dept., Dover, from D. E. O'Connell & Sons, Ridley Park, grading and concrete paving, etc., 1.06 mi. 6th St., New Castle, Contr. 54 $42,023, 0.45 mi. Washington St., New Castle, Contr. CN-25 $14,283, 4.87 mi. Christiana-Newark, Contr. CN-27 $172,346; from W. W. Truitt, Lincoln City, 0.97 mi. Valley Rd., Pennsylvania Line, Contr. CN-26 $49,259; from E. Riley Mixner, Goshen, N. J., 1.49 mi. Point Breezo School-Faulk Rd., Contr. CN-28 $65,805; from Field, Barker & Underwood, Commercial Trust Bldg., Phila., Pa., 7.04 mi. Willow Grove-Maryland Line, Contr. CK-28, metal joint $232,065, non-metal joint $229,461. Noted June 11.

Md., Baltimore — Bd. Awards, grading 33,000 cu.yd. Contr. 291-OA, from J. J. Bresnan, Woodland Ave., $17,490, and 24,-100 cu.yd. Contr. 290-OA, from Potts Co., New Amsterdam Bldg., $11,001; concrete paving, etc. 6,800 sq.yd. Contr. 292-OA, from Development & Contg. Co., Amer. Bldg., $16,783. Noted June 25.

O., Akron—Summit Co., June 29, **(e. e. means engrs. est.)**, improving 2.73 mi. Monroe Falls-Kent Rd., 10,500 cu.yd. earth excav., and 6,000 tons slab, from V. B. Proehl, Ravenna, $25,605, e. e. $27,500; Cuyahoga Falls-Magadore Rd., 17,200 sq.yd. bituminous concrete, 18,800 lin.ft. concrete curbing, 12,000 cu.yd. earth excav., etc., from McCourt Constr. Co., 369 South Main St., Akron, $63,834, e. e. $74,000; South Main St., 6,000 sq.yd. bituminous concrete, 7,200 lin.ft. concrete curbing, 6,800 cu.yd. earth excav., etc., from T. E. McShaffrey Constr. Co., 173 South Forge St., $24,150, e. e. $26,400. Noted June 18.

Wis., Racine — Bd. Pub. Wks., July 6, from H. J. Glover & Son, Schwartz Bldg., Kenosha, improving various streets, 13,926 ft. concrete curbing and guttering at $0.79 per ft., 41,265 sq.yd. concrete paving $2.44, etc., total $111,190. Noted July 2.

Tex., Seguin—State Hy. Comn., Austin, **(a)** 1½ in. triple inverted peneration bituminous topping, or **(b)** 1½ in. inverted penetration bituminous topping 10.01 mi. State Highway 3, Federal Aid Project 35-A-C, Guadalupe Co., 98,539 sq.yd. asphaltic macadam, from Coglazier & Hoff, 910 Austin St., San Antonio, **(a)** $54,197 **(b)** $58,-631; gravel surfacing and bituminous topping 5.13 mi. State Highway 3, Federal Aid Project 35-B, Guadalupe Co., from P. Schriewer, Seguin, $41,436. Noted June 25.

Okla., Guthrie—G. L. Anderson, city clk., grading and vertical fibre brick surfacing 5,500 sq.yd. and concrete surfacing 7,170 sq.yd. Noble, Vine, Park and Egg Sts., from Park and Moran, Box 622, Tulsa, Okla., $48,826. Engrs. est. $49,853. Noted June 11.

Missouri—State Hy. Dept., Jefferson City, from Metropolitan Paving Co., 7th and Olive Sts., St. Joseph, grading 4.871 mi. road between Stewartsville and Cameron, DeKalb Co., $25,899, 4.735 mi. same road, $35,092, from Midwest Eng. Co., Mt. Vernon, Ill., 4.861 mi. road from Trenton south, Grundy Co., $8,109; from C. F. Johnson & Sons, Buffalo, 30 ft. grading 3.031 mi. road from Phillipsburg to Lebanon, Laclede Co. $13,251, 4.557 mi. same road $20,598, from J. P. Harlin, West Plains, 4.351 mi. road from Ava to Gainsville, Ozark Co. $23,546, 4.014 mi. same road $32,186, 4.398 mi. same road $55,113, from J. A. Carlson, Macon, 2.466 mi. road from Callao to Macon, Macon Co. $26,330, from M. Haase, St. Joseph, 2.793 mi. road from Callao to Macon, Macon Co. $22,154, from Republic Concrete Constr. Co., Republic, 0.433 mi. road from Ava to Gainsville, Ozark Co., $4,031; from J. Stanton, Leavensworth, Kan., 18 ft. concrete surfacing 4.735 mi. road from Stewartsville to Cameron, DeKalb Co. $47,-825, from C. H. Atkinson Paving Co., Watertown, S. D., 4.871 mi. same road $42,-836, from List & Hallett Constr. Co., Kansas City, 4.861 mi. road from Trenton south, Grundy Co., $83,387; from J. M. Birmingham, Vienna, 20 ft. gravel surfacing 1.026 mi .road from Loose Creek to Linn, Osage Co. $2,080, from Maxwell Constr. Co., Columbus, Kan., 0.313 mi. road from Cuba to Steelville, Crawford Co. $3,182, from J. A. Kerr, Ozark, Mo., 2.293 mi. road from Galena south, Stone Co. $3,430, from St. Louis Constr. Co., Frisco Bldg., St. Louis, 3.447 mi. road from Union west, Franklin Co. $34,348, from Fluckiger & Jacobs, Union, 2.757 mi. same road $25,-247, from Farrell & Dubrouillet, Linn, 3.296 mi. road from Linn to Mt. Sterling, Osage Co. $28,683, 4.828 mi. same road $32,864;

Streets and Roads (Continued)

from Buffalo Constr. Co., Buffalo, 18 ft. gravel surfacing 4.906 mi. Mack Creek Lunis Rd., Camden Co. $25,683; from H. R. Boone, St. Louis, 12 ft. gravel surfacing 4.402 mi. road from Warrenton to Hopewell, Warren Co., $32,745; from M. E. Gillioz, Monett, 20 ft. gravel surfacing 4.38 mi. road from Cuba to Steelville, Crawford Co. $62,-811, 9.496 mi. Galloway-Rogersville Rd., Greene Co. $9,846, 18 ft. concrete surfacing 1.989 mi. same road $29,408, grading 1.989 mi. same road, $18,688; from Koss Constr. Co., foot Des Moines St., Des Moines, Ia., 18 ft. concrete surfacing 2.66 mi. road from Lamar to Jasper, Barton Co., $43,262, 4.337 mi. same road $69,725, grading 2.66 mi. same road $15,979, grading 4.337 mi. same road $18,732. Noted June 18.

Wash., Bucoda — City Council, concrete paving ¾ mi. Main St. et al., from Hart, Phillips & Shaughnessy, Auburn, $28,569. Engrs. est. $33,000. Noted May 28.

California—State Hy. Comn., Sacramento, concrete paving 10.8 mi. and widening with concrete shoulders 2.3 mi. road between point 1½ mi. north of Oceanside and 2 mi. south of San Onofre, San Diego Co., from Jahn & Bressi, Laughlin Bldg., Los Angeles, $322,737. Engrs. est. $361,394.

Calif., Beverly Hills—From E. L. Fleming, 144 South Brand Blvd., Glendale, improving Rodeo Dr., 40,269 sq.ft. grading at $0.04 per sq.ft., 29,507 sq.ft. sidewalks $0.16, 87,897 sq.ft. asphalt paving $0.05, etc., total $27,075.

Calif., Venice — Improving Washington Blvd., Westminister Ave., etc. from S. Pearson, 706 Boocciaccio St., Venice, 6 in. concrete paving at $0.235, 5 in. concrete paving $0.19, 6 in. asphaltic concrete paving $0.27, etc. Total $34,365.

CONTRACTS AWARDED

Maine — State Hy. Comn., State House, Augusta, concrete and bituminous macadam surfacing 3.77 mi. highway in York, to Bruno & Petitti, 18 Tremont St., Boston, $203,727; bituminous macadam surfacing 2.87 mi. highway in Windham and Raymond, to Ford & Smiley, Skowhegan, Me. $74,376. Noted July 2.

Vt., Pownal — State Hy. Comn., State House, Montpelier, concrete paving 2.2 mi. highway, here, to P. J. Keating Co., 280 Main St., Fitchburg, Mass., $104,558. Engrs. est. $100,000. Noted June 22.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 12,865 ft. highway in Groton, and 3,900 ft. highway in Boylston, to C. E. Horne, Milbury, $69,-242 and $23,467 respectively; 1,800 ft. highway in Enfield, to E .W. Shumway & F. M. Fuller, Belchertown, $13,778; 4,000 ft. highway in Stockbridge, to Kelleher Bros., Turners Falls, $28,776. Grand total $135,263.

Mass., Boston — Dept. Pub. Wks., recut granite block paving Broad and Hawley Sts., to M. F. Gaddis, 2A Victoria St., Dorchester, $31,078. Noted June 22.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston sheet asphalt or bituminous paving Barrington St., here, to J. A. Singarella, 110 High St., Boston, $35,247.

Rhode Island — State Bd. Pub. Wks., State House, Providence, rein.-con. paving 7.69 mi. Tower Hill Rd. in North and South Kingston, Federal Aid Project 9, to A. D. Bridges, Hazardville, Conn., $388,025. Noted June 18.

Connecticut — J. A. MacDonald, comr. State Hy. Dept., Hartford, bituminous macadam paving 9,273 ft. Willimantic-Hampton Rd. in Chaplin, and 12,675 ft. Southbury Rd. in Roxbury and Woodbury, to Miller Bros. Constr. Co., 750 Main St., Hartford, $54,550, and $67,162 respectively; bituminous macadam paving 2,800 ft. Weatogue Mt. Rd. in Simsbury, to Immick Co., State St., Meriden, $27,273; rein.-con. paving 14,000 ft. River Rd. in Cromwell, and 10,913 ft. New London Turnpike in Glastonbury, to F. Arrigoni & Sons, 624 Main St., Middletown, $90,087 and $73,843 respectively, 21,973 ft. Waterbury Turnpike in Meriden and Southington, to D. O'Connell & Sons, Holyoke, Mass., $119,193, 2,050 ft. Bridge St. in New Milford, to Lane Constr. Co., 37 Colony St., Meriden, $28,171, 7,492 ft. Goshen Rd. in Torrington, to J. DeMichiel & Bros., Torrington, $110,680, 7,750 ft. Milford Shore Rd. in Milford, to Conn. Natl. Pavement Co., 173 Orange St., New Haven, $53,117, 4,575 ft. Norton Hill Rd. in Stamford and Darien, to W. N. Arthur, Glenbrook, $109,400, 2,356 ft. Rowley St. in Winchester, to Patterson & Rossi, Torrington, $62,945; asphalt surfacing 3,602 ft. Maple Ave. in Hartford, to E. Balf Co., 14 Haynes St., Hartford, $45,901. Grand total $843,312. Noted July 9.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Amboy St. $4,557, Bristol St. $6,504, Duryea Pl. $3,145, East 34th St. $3,048, East 35th St. $5,329, Hemlock St. $4,454, Montgomery St. $3,405, Ralph Ave. $2,127, Saratoga Ave. $6,306; to Brooklyn Alcatraz Co., 407 Hamilton Ave., asphalt paving Dahill Rd. $7,305, Elmore, Delamere and Mansfield Places $11,857, East 13th St. $4,175, East 27th St. $7,557, East 34th St. $5,048, East 37th St. $14,142, Ave. R. $9,940, East 27th St. $8,991, 6th Ave. $6,841, 19th Ave. $5,836, 59th St. $6,338, 65th St. $41,995, 89th St. $4,468, to Cranford Co., 52 9th St., Pitkin Ave. $6.994, to B. Turecamo Contg. Co., 8706 Bay 12th St., 70th St. $8,968, 78th St. $7,175, 80th St. $5,627, to M. J. O'Hara, 1228 Park Ave., 11th Ave. $38,249; to F. Persicano, 350 Fulton St., grading, curbing and flagging East 27th St. $2,743, to Grimm Contg. Co., 170 McGinley St., 9th Ave. $1,097, 24th Ave. $4,095, to B. Peconi & Son, 570 18th St., 59th St. $3,896. Grand total $244,907.

N. Y., Brooklyn—Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, improving west drive of Prospect Park, here, to Cranford Co., 52 9th St., $99,175. Noted July 9.

N. Y., New York — H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., granite block repaving East 204th St., to St. George Granite Co., 90 West St., $29,-089; sheet asphalt paving Brook Ave., to Interboro Asphalt Co., 2306 Creston Ave., $55,973. Noted July 9.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., curbing, recurbing, flagging, reflagging and asphalt surfacing roadway of Isham and Cooper Sts., Seaman Ave., Isham, Cooper and West 207th Sts., to J. E. Gaffney Constr. Corp., 50 East 42nd St., New York City, $21,917; granite block surfacing East 94th St., and widening and granite block surfacing 4th Ave., to John Meehan & Sons, 74 Courtlandt St., $19,789 and $184,301 respectively; asphalt surfacing Haven Ave., to Brusstar Constr. Co., Harlem River and 150th St., $7,359; grading, curbing and granite block surfacing East 139th St., to C. Helbock Co., 633 Wales Ave., $13,954. Grand total $247,320.

New Jersey—State Hy. Dept., Trenton, concrete paving 80,220 sq.yd. Route 4, Sect. 32, from Rahway to Perth Amboy, Middlesex and Union Counties, to C. H. Winans, 206 Broad St., Trenton, $478,283. Noted June 18.

Pa., Altoona—Brick and concrete paving 9,928 sq.yd. various streets, to J. G. King, 307 Altoona Trust Bldg., $45,430; 1,335 sq.yd. various streets, to A. Fogel & Son, 705 Logan Ave., Hilltop, $5,806; 13,179 sq. yd. various streets, to E. L. Grannas, 1907 5th Ave., $49,670; and 7,000 sq.yd. various streets, to J. R. Mathieu & Sons, 1824 Union Ave., $29,239. Grand total $130,145.

Pa., Etna (mail Pittsburgh)—Boro Council, paving Dewey St., to M. O. Herron Co., Etna, $43,467.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)** to J. Weisner, St. Marys, improving R. 221, A. 3366, Clearfield Co., 37,500 sq.yd. rein.-con., $2.95 per sq.yd., 23,500 cu.yd. unclassified excav. $1, total $168,120; to T. W. Munro, Du Boise, R. 70, Alleghany 1,500 sq.yd. vitr. brick $6.25, 5,943 sq.yd. 9 x 7 x 9 rein.-con. $3.80, 1,357 sq.yd. 7 x 7 x 7 rein.-con. $3.50, 1,623 cu.yd. unclassified excav. $2.30, total $50,147; to W. E. Bennett, Lanesboro, R. 296, Susquehanna Co., 1,378 sq.yd. vitr. brick $6.50, 18,100 sq.yd. rein.-con. $3.30, 14,100 cu.yd. unclassified excav. $1.50, total $127,875; to Donora Constr. Co., Donora, R. 288, Fayette Co., 31,226 sq.yd. rein.-con. $3.40, 30,587 cu.yd. unclassified excav. $0.80, total $168,591, to Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., R. 140, Sect. 4, Schuylkill Co., 72,533 sq.yd. rein.-con. $3,50, 22,800 cu.yd. unclassified excav. $1.17, 3,100 cu.yd. borrow, $1.10, total $297,142; to B. L. McKillipp, Hollidaysburg, R. 53 and 260, Blair Co., 2,340 sq.yd. 9 x 7 x 9 rein.-con. $3.20, 7,170 sq.yd. 7 x 7 x 7 rein.-con. $3.25, 1,739 cu.yd. unclassified excav. $1.50, total $35,790. Grand total $847,665. Noted June 18 and July 2.

Pa., Phila.—Bureau of Highways, Dept. Pub. Wks., to R. B. Wenner, 2310 Walnut St., grading Callowhill St. $4,911, Coleman, Overbrook and Woodbine Sts. $16,544, to F. Mark Contg. Co., 2820 North 21st St., Mt. Pleasant and Thourton Sts. $8,993; to Eastern Asphalt Co., 1504 Pennsylvania Bldg., asphalt paving Amber and Erie Sts. $29,296, Buist, Dicks and 66th Sts. $41,094, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., "K" $40,475, Luzerne St. $31,673, Meehan St. $8,912, Musgrave St. $12,365, to Barber Asphalt Co., 239 North 30th St., Malvern and 59th Sts. $46,-386, Walnut Lane $40,999, to Union Paving Co., 30th and Locust Sts., Malvern St. $20,073, York Rd. $64,927, 2nd and 3rd Sts. $21,732, 67th and 68th Sts. $21,365; to M. J. McCrudden, 1134 Real Estate Trust Bldg., country road improving Henry, Naomi, Penn and Vaux Sts. $23,682; to Baton Constr. Co., 1713 Sansom St., redressed granite block repaving 8th St. $16,775; to J. Meehan & Son, 916 West Dakota St., granite block paving 16th St. $10,080. Grand total $460,482. Noted July 2.

Pa., Pittsburgh—Repaving Wylie Ave. to Booth & Flinn Ltd., Forbes St., $32,734. Engrs. est. $35,000.

Pa., Uniontown — W. Huston, controller Fayette Co., rein.-con. paving 1 mi. McClellandtown Rd., 18 ft., to P. Direnzo, Fayette City, $70,709. Noted June 18.

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,750 sq.yd. Contr. 289 OANA, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $55,474. Noted July 2.

Virginia—State Hy. Dept., Richmond, improving 1 mi. highway east of South Hill, 1.97 mi. highway on Route 12 northward and 0.34 mi. road from point on same route southward, and widening streets of South Hill, to Spotsylvania Constr. Co., Highland Springs, $120,061.

W. Va., Huntington—Bd. City Comrs., asphaltic concrete surfacing Washington Blvd., Elwood Ave., Sumner and Charleston Sts., to G. Pence, Huntington, $60,124. Noted June 18.

S. C., Georgetown—City, paving various streets to Ely Constr. Co., Lamar Bldg., Augusta, Ga., $83,687; sidewalks and gutters, to Simons-Mayrant Co., Charleston, $34,625. Noted June 18.

Ga., Dalton — Curbing, guttering and Warrenite bitulithic on concrete surfacing various streets, to Atlantic Bitulithic Co., Munsey Bldg., Wash., D. C., $73,424.

Ala., Opelika — Concrete surfacing 12 blocks 2nd Ave., 8th and 9th Sts., 30 ft., to Sullivan, Long & Haggerty, Bessemer, $64,097. Engrs. est. $64,165.

Tenn., Jackson—Concrete surfacing 40,-000 sq.yd. various streets, to Southern Paving & Constr. Co., Volunteer Life Bldg., Chattanooga, approximately $150,000. Noted May 28.

Tenn., Milan — Concrete paving 5 mi. various streets, to Lawrence Constr. Co., Jackson, Miss., $100,000. Engrs. est. $100,-000. Noted July 2.

O., Aurora—A. B. Smythe Co., Smythe Bldg., Cleveland, 1 mi. 8- to 12-in. vitr. tile, 1 mi. 6 in. c.i. watermains and penetration treatment for gravel roadway, in A. B. Smythe allotment, here, to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $45,000.

O., Cleveland—City, to Roehl Bros., 7002 Dennison Ave., grading, curbing, guttering and paving West 38th St., brick $27,081, West 53rd St., asphalt $19,904, West 138th St., asphalt $35,504; to Gould & Maybach, 16311 Saranec Rd., grading, curbing, guttering and asphalt paving East 85th St. $14,-791. East 65th St., $17,626, Linwood Ave. $8,039, Ridpath Ave. $25,110, to Baldwin Bros., 4500 Euclid Ave., Saratoga Ave. $36,795; to Rieley Bros., The Arcade, asphalt paving, etc. East 128th St. $30,719, grading, curbing, guttering and brick paving West 15th St. $19,864. Grand total $235,433.

O., Salem—Paving Hawley Ave., to J. D. Paxson, Salem, $27,582, engrs. est. $30,000; asphalt paving Franklin Ave., to Columbus Asphalt Co., 288 East 16th Ave., Columbus, $27,845, engrs. est. $30,000. Noted Nov. 27 and Jan. 15.

Indiana—State Hy. Comn., Indianapolis **(F. A. means Federal Aid)**, concrete paving 5.582 mi. F. A. Rd. 94, Sect. A, Warren Co., to G. T. Miller Constr. Co., Lebanon, $98,-783; 11.276 mi. F. A. 84, Sect. B, Noble Co., to L. P. Beard, 406 Guaranty Bldg., Indianapolis, $199,639; 9.56 mi. F. A. Rd. 78, Sect. E, Sullivan Co., to Hutchinson Constr. Co., 415 Guaranty Bldg., Indianapolis, $210,747. Grand total $509,169.

Ind., Winchester—Randolph Co., concrete and brick paving 1½ mi. John Cheesman Rd., and ½ mi. Jeffery Rd., to G. W. Fleming, Portland, $23,485 and $8,839 respectively, concrete paving Harmon Rd., in Saratoga, to Webb Isenbarger, Winchester, $40,549. Grand total $72,873.

Michigan — State Hy. Dept. at office Comrs. Ionia Co., Ionia, grading 1.801 mi. Trunk Line Rd. 16-28 B, to G. P. Scharl, Grand Rapids, $50,876.

Michigan—State Hy. Dept. at office Comr. Alger Co., Munising, graveling 5.528 mi. Trunk Line Rd. 77-1A, to Hill Bros., Munising, $60,726. Noted June 11.

Streets and Roads (Continued)

Mich., River Rouge—Vibrolithic concrete paving 16,500 sq.yd. Byron St., Florence, James, Haltner and Ferguson Aves., to R. J. Powelson & Co., 6530 Epworth Blvd., Detroit. Engrs. est. about $55,000.

Ill., East St. Louis — City, to Keeley Constr. Co., 2100 State St., grading, curbing and paving 43rd St. from Caseyville to Van Buren Sts. $20,035, 31st St. from Jones Park to Bway. $20,412, and sewer in Brockman Pl. $3,145; to Moore Constr. Co., 925 North 8th St., paving North 12th St. from Missouri to State Sts.; to Concord Constr. Co., Josephene Bldg., asphalt resurfacing 30,940 sq.yd. 9th St., $105,398. Noted May 7.

Ill., Geneva — Kane Co., concrete surfacing 6.06 mi. Road 10, Sects. 50-15-D and 50-B-15-D, 18 ft., also two span 16 ft. rein.-con. slab bridge, on road, to P. T. Fess, Madison, Wis., $125,248 and $4,379 respectively.

Ill., Kewanee—Bd. Local Impvts., brick paving Beach, Birch and Tremont Sts., to Graham-King Constr. Co., 550 South Cedar St., Galesburg, $36,751. Noted June 11.

Ill., Peoria—Bd. Local Impvts., grading, curbing, paving, etc. East Virginia Ave. from Peoria to Pacific Aves., 30 ft., to J. W. Bushell, 132 South Washington St., $50,894. Noted July 2.

Wis., Cudahy — C. Wolbert, city clk., curbing and vibrolithic concrete paving 24,164 sq.yd. Pulaski, Barnard and Layton Aves., to Czerwinski Constr. Co., 775 National Ave., Milwaukee, $2.5¢ sq.yd. Noted June 4.

Ia., Iowa City—Curbing, guttering and concrete surfacing 13,200 sq.yd. various streets, to W. Horrabin Constr. Co., 15 East College St., Iowa City, $34,000. Noted June 18.

Ia., Knoxville — Marion Co., to L. V. Holscher, Victor, improving Federal Aid Project 231, 11,277 ft. cable guard rail at $0.27 per ft. and 112 dead men anchors at $5.75 each; to A. H. Miller & Son, Brooklyn, 106,794 cu.yd. earth excav. at $0.24 per cu.yd., 1,000 cu.yd. loose rock $0.70, 100 cu.yd. solid rock $1.75, 47,050 units overhaul $0.02, 752 ft. corrugated pipe $0.30; to F. P. Lowman, Bossey, 1,500 cu.yd. filling $0.339.

Ia., Madrid — Paving 8 blocks various streets, to M. L. Flinn Paving Co., 218 Grain Exch. Bldg., Sioux City, $25,455. Noted June 4.

Ia., Mason City — City, 7 in. rein.-con. surfacing, etc. 816 sq.yd. 4th St. S. E., to Quinby Stone Co., Mason City, $2,856; and tarvia paving 80,000 sq.yd. various streets, to Hargrave Constr. Co., Cedar Rapids. Noted Apr. 2.

Ia., Sioux City — To Western Asphalt Paving Corp., 1st and Nebraska Sts., paving 2,650 sq.yd. West 19th and Helmer Sts. at $1.92 per sq.yd., 6,888 sq.yd. Myrtle and West 2nd Sts. $1.76, 4,560 sq.yd. West 3rd St. $1.82, 8,890 sq.yd. South Helen St. $1.88, 5,680 sq.yd. Rebecca St. $1.73, and 1,580 sq.yd. 3rd Ave. $1.90; to Harrington & Jorgenson, 2200 South Patterson St., 1,100 sq.yd. 33rd St. $1.95. Noted May 21 and July 9.

Minnesota—State Hy. Dept., 1246 University Ave., St. Paul, **(S. P. means State Project and F. A. P. means Federal Aid Project)**, grading and concrete paving 5.3 mi. road between Pine City and Rock Creek, S. P. 1-44, Sect. 1, Div. B, F. A. P. 1, to Nolan Bros., 18 North 2nd St., Minneapolis, $143,487, 5.5 mi. road between Sandstone and Finlayson, S. P. 1-44, Sect. 4, F. A. P. 1, to R. J. Kappahn Constr. Co., 811 Wallace Ave., Duluth, $145,335, 2.1 mi. road between La Crosse and La Crescent, S. P. 3-38, Sect. 1, F. A. P. 371 A, to Morris Constr. Co., Morris, $75,887, 8 mi. road between Sauk Center and Freeport, S. P. 3-45, Sect. 1, F. A. P. 363 A, Div. C, to Ostrand & Hallet, Crosby, $120,400, and Div. E, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, Ia., $69,551; grading 13.6 mi. road between Barnum and Otter Creek, S. P. 1-44, Sects. 6 and 7, F. A. P. 372, to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, $139,066, 3.4 mi. road between Otter Creek and Carlton, S. P. 1-44, Sect. 8, F. A. P. 373, to T. J. Frederick, 613 Globe Bldg., Minneapolis, $58,501, 5.5 mi. road between Lathrop and Walker, S. P. 19-21, F. A. P. 373, to North Dakota Constr. Co., Linton, N. D., $48,968, 24.7 mi. road between Belle Prairie and Brainerd, S. P. 27-28, F. A. P. 172, Div. A, to A. Peterson & Son, Little Falls, $19,476, Div. B of same road, to H. M. Nelson, Chokio, $23,584, Div. C, to Nelson, Mullen & Nelson, 355 Temple Court, Minneapolis, $30,311, 8.2 mi. road from Leech Lake East, S. P. 34-23, F. A. P. 274, to R. S. O'Neil, Chisholm, $46,236; gravel surfacing 10.5 mi. road between Wheaton and East Co. line, S. P. 10-51, Sect. 2, F. A. P. 226, to Westin Bros., Herman, $29,139. Grand total $949,941. Noted July 2.

Minn., Crookston—Concrete paving 19,000 sq.yd. East Robert and North Main Sts., to Northern Constr. Co., 9 North 8th St., Grand Forks, N. D., $39,352.

Kan., Hiawatha—Curbing, guttering and paving 27,180 sq.yd. various streets, to J. B. Watts, Concordia, $31,500. Noted June 18.

Kan., Mayetta—City, 3 in. brick on 5 in. concrete surfacing 7,198 sq.yd. various streets, to F. Grundeman & Sons, Netawaka, Neb., $27,695.

Neb., Bellevue—City, c/o J. B. Kast, clk., grading and 3 and 4 in. gravel surfacing 22,843 yd. streets in Dist. 2, to J. Kern Constr. Co., 1809 Dodge St., Omaha. Noted July 2.

Neb., Fairbury — Grading, curbing and concrete paving, Paving Dist. 8, to Roberts Constr. Co., 1st Natl. Bank Bldg., Lincoln, $39,105. Noted June 25.

Neb., Milligan—Grading, curbing, guttering and 3 in. brick on 5 in. concrete paving 3,400 sq.ft. Impvt. Dist. 1, to Asplund Constr. Co., Tecumseh, at $2.95 per ft.

Neb., Pawnee City — Pawnee Co., 3 in. gravel surfacing, 190,000 sq.yd. Federal Aid Project 97-A, to Koehler Lumber & Coal Co., Sterling. Noted Apr. 16.

Neb., Sparta—Paving 22,000 yd. various streets, to Allied Contractors, 1803 Douglas St., Omaha, $79,000.

Wyoming—State Hy. Dept., Cheyenne, **(e. e. means engineers estimate)**, grading Riverton-Dubois Rd., Federal Aid Project 159B, Fremont Co., to Peck & Madden, Riverton, $24,409, two rein.-con. bridges on same road, to C. M. Smith, Thermopolis, $9,776; grading and 6 concrete culverts on Douglas-Casper Rd., Federal Aid Project 166A, Converse Co., to J. Davis, Bordeaux, $29,294, e. e. $39,000; grading and 3 timber bridges on Saratoga-Encampment Rd., Federal Aid Project 174A, Carbon Co., to Keahey & Sons, Wheatland, $29,858, e. e. $86,301; grading, surfacing and 5 timber bridges on Sundance-Beulah Rd., Federal Aid Project 25A, Crook Co., to H. Downer, Bozeman, Mont., $60,304, e. e. $80,000. Grand total $153,641.

Wyoming—See "Bridges."

Mo., Caruthersville — Grading, curbing and concrete paving various streets, to McCarthy Constr. Co., Chemical Bldg., St. Louis, $67,581. Noted May 21.

Mo., Clinton—Grading and 7 in. vibrated concrete paving various streets, 9,240 sq.yd., to Reed & Wheelock, Clay Center, Kan., $34,995.

Mo., Kirksville — Grading, curbing and paving Halliburton St. from Jefferson to Patterson Sts., to B. Layton, Kirksville, $19,000.

Mo., St. Louis—Bd. Pub. Serv., **(C. B. means City Block)**, to Eyermann Constr. Co., 1216 South Grand Blvd., grading and concrete surfacing alleys in C. B. 1580 $2,950, C. B. 1664 $2,713, C. B. 2198 $2,276, C. B. 2643 $3,152, C. B. 2675 $4,010, C. B. 2731 $4,965, C. B. 2772 $3,953, C. B. 2943 $1,338, C. B. 5537 $3,087, C. B. 5679 $3,341; to Perkinson Bros., 3237 Carter Ave., C. B. 3390 $3,676, C. B. 5081 $4,032, C. B. 5091 $3,787, C. B. 5251 $2,522, C. B. 5329 $3,779, C. B. 5347 $3,270, C. B. 5543 $3,195, C. B. 5546 $3,481; to Skrainka Constr. Co., Security Bldg., C. B. 3851B $6,503, C. B. 4502 $5,088, C. B. 4534 $5,676, C. B. 5238 $6,121, C. B. 5403 $2,414; to A. Lewald, 1219 Amherst Pl., C. B. 5082 $4,625. Grand total $89,956.

Ark., Conway—Grading, curbing and concrete surfacing 11,900 sq.yd. various streets in Impvt. Dist. 9, to V. Forsgren & D. C. Harton, Conway, $28,157.

Okla., Claremore—Rogers Co., grading, etc. 4 mi. Chelsea-Alluwee Highway, and rein.-con. bridge over Otter Creek, to Hamilton Constr. Co., Bartlesville, $31,245.

Okla., Clinton — Grading, curbing and sheet asphalt surfacing 6,240 sq.yd. Frisco Ave. and 11th St., to Western Paving Co., Tradesman Natl. Bank Bldg., Oklahoma City, $31,869. Engrs. est. $33,000.

Okla., Enid—Garfield Co. grading and surfacing 32,998 sq.yd. Enid-Covington Rd., to Hyde Constr. Co., Enid, $81,027.

Okla., Tulsa—City, **(e. e. means engineer's estimate)**, to Standard Paving Co., 1742 East 6th St., grading and sheet asphalt surfacing 8,258 sq.yd. Dist. 644, $44,400 e. e. $47,500, to H. L. Cannady, 1104 South Lewis St., 4,212 sq.yd. Dist. 647, $27,799 e. e. $28,500, grading and vitr. brick surfacing 857 sq.yd. and concrete surfacing 1,992 sq.yd. Dists. 650-652, $20,453 e. e. $25,000, grading and sheet asphalt surfacing 3,680 sq.yd. and concrete surfacing 943 sq.yd. Dists. 649-653, $24,019 e. e. $26,300.

Washington—State Hy. Comn., Olympia, clearing, grading and surfacing 3.1 mi. State Rd. 21, Kitsap Co., to W. M. McDowell, 3219 Claremont Ave., Seattle, Wash., $50,962, 7.93 mi. State Rd. 1, King Co., to F. McLellan, 1720 16th Ave., Seattle, $113,605; crushed gravel surfacing 5.26 mi. State Rd. 2, Kittitas Co., to F. G. Redmon, Box 482, Yakima, $5,918; improving 42 mi. State Rd. 8, Clarke and Skamania Counties, to L. Welch, 214 East 18th St., Vancouver, $10,809; grading 3.13 mi. State Rd. 12, Cowlitz Co., to Parker & Schram, 514 Couch Bldg., Portland, $16,194, terracing and widening 0.13 mi. State Rd. 8, in Skamania Co., to Barbo Bros., 2649 Hampton Pl., Bellingham, $15,415. Grand total $212,905. Noted June 11.

Wash., Hoquiam—City Council, concrete paving Monroe St. et al., to Greene Eng. Co., Aberdeen, $48,086. Noted June 25.

Wash., Seattle—Bd. Pub. Wks., **(e. e. means engrs. est.)**, paving East 64th St. et al., also North and East 51st Sts., to Firoito Bros., 3950 6th St. N. E., $59,714 and $28,363 respectively; grading Letitia Ave. et al., to F. Arcorace, Thompson Bldg., Seattle, $79,962, e. e. $87,118; concrete walks on Rainier Ave. et al., to D. H. Traphagen, Walker Bldg., $30,529 e. e. $34,098. Grand total $198,568. Noted June 4.

Ore., Portland—Commissioner Multnomah Co., 7 in. concrete paving 4 blocks Tacoma Ave., 30 ft., to A. D. Kern, Exch. Bldg., Portland, $27,796.

Oregon — State Hy. Comn., Portland, grading 11.65 mi. John Day Highway, Malheur Co., to E. Drammie, Downey, Idaho $96,326, 4.32 mi. Roosevelt Highway, Josephine Co., to J. C. Kincade Granite Pass $25,000, 12.56 mi. Santeam Highway, Linn Co.; to Linn County, $101,594, 13.35 mi. Dalles California Highway, Klamath Co., to Newport Constr. Co., Portland, $22,470; broken stone surfacing 18 mi. Dalles California Highway, Klamath Co., to Dunn & Baker, Klamath Falls $57,392, 3.8 mi. Baker Cornicopin Rd., Baker Co., to Triangle Constr. Co., Realty Bldg., Spokane, Wash., $19,990 and 8.40 mi. Roosevelt Highway, Coos Co., to A. B. Grundy, Marshfield $43,505. Grand total $366,277.

Calif., Oakland—Supervs. Alameda Co., broken rock surfacing 17,500 cu.yd. Bay Farm Island Rd., to E. B. and A. L. Stone Co., Claus Spreckels Bldg., San Francisco, $27,455. Noted July 9.

Calif., Patterson—Paving various streets, to A. E. Downer, 749 East Lindsay St., Stockton, $37,926.

Calif., Richmond — Atchison, Topeka & Santa Fe R.R., 6th and Main Sts., Los Angeles, asphaltic concrete paving 118,326 sq.ft. Garrard Ave., to Northern Paving Co., P. O. Box 1237, Richmond, $23,432. Noted July 9.

Calif., Richmond—City, 1½ in. National on 2½ in. concrete surfacing Center, Wall, Ohio Sts., etc., to Northern Paving Co., P. O. Box 1237, Richmond, $85,559. Noted July 9.

Calif., Santa Cruz—Grading, and 5 in. concrete paving 9,373 sq.ft. Soquel Ave., to Granite Constr. Co., Watsonville, $29,018. Noted July 9.

Calif., San Diego—Common Council paving Voltaire, Bacon Sts., etc., to Phoenix-Tempe Stone Co., Home Builders Bldg., Phoenix, Ariz., $81,047; curbing and paving 4th St. from A to K Sts., to Hazard Contg. Co., 302 5th St., $41,079. Noted July 9.

Calif., Sausalito—Grading, curbing, guttering and bituminous paving 10,500 sq.ft. Princess St., Miller and Buckley Aves., to Union Paving Co., Call Bldg., San Francisco, $25,171. Noted July 9.

Calif., Torrance—To O. U. Miracle, 227 Ave. D, Redondo Beach, improving Redondo Blvd. between Madrid and Madrona Ave., 23,103 cu.yd. grading at $0.30 per cu.yd., 180,000 sq.ft. decomposed granite base $0.03, 180,000 sq.ft. 7 in. concrete paving $0.235, etc., total $64,755.

Ont., Fergus—Asphaltic concrete paving 25,300 sq.yd. various streets, to Brennan Paving Co. Ltd., 400 Gage Ave. N., Hamilton. Engrs. est. $80,000.

Buildings—Industrial

PROPOSED WORK

Mass., Boston—GARAGE—L. S. Kaufman, 94 Queensbury St., having plans prepared by G. N. Jacobs, 4 Park St., 2 story, 100 x 300 ft., rein.-con. and steel, plain foundation, Lehigh and Albany Sts. $200,000.

Mass., Malden (Boston P. O.)—REPAIR and SERVICE GARAGE — S. Spector, 31 York Terrace, Dorchester, having prelimin-

Buildings—Industrial (Continued)

ary plans prepared by C. F. Springhall, 50 Concord St., Malden, 1 story, brick, 11-33 Charles St. corner Middlesex St. $80,000. Noted June 18.

R. I., Cranston—MILL—Respro Mills, c/o C. H. Makepeace & Son, archts., 412 Butler Exch. Bldg., had plans prepared 1 and 2 story, brick and steel, Wellington Ave. $200,000.

N. Y., New York — FACTORY — B. M. Maltz, 32 Court St., Brooklyn, having plans prepared by Parker & Shaffer, 280 Madison Ave., 10 story and basement, Varick St. between Spring and Van Dam Sts. $750,000.

Pa., Phila. — BOILER HOUSE—C. A. Blatchley, archt., Drexel Bldg., soon lets contract 1 and 2 story, 51 x 90 ft., brick, plain foundation, for C. Lenning & Co., Richmond and Kennedy Sts.

Pa., Phila. — MILL — Apex Hosiery Co., Lawrence and Luzerne Sts., plans 6 story and basement, 95 x 145 ft., brick addition, plain foundation, 5th and Luzerne Sts. Private plans.

Md., Baltimore—BAKERY—Ward Baking Co., 774 Pacific St., Brooklyn, N. Y., having plans prepared by C. B. Comstock, 110 West 40th St., New York City, 2 story, brick and steel, plain foundation, Edmondson Ave. and Bentalou St., here. $175,000.

S. C., Spartanburg — PLANT — Taylor-Colquitt Co., Easley, plans creosoting plant, steel and concrete on 77 acre tract, near here. $200,000.

Ga., Atlanta—ICE PLANT—Atlantic Ice & Fuel Co., Washington St. Viaduct, having plans prepared ice plant, rein.-con., brick and steel, 1,000 tons daily capacity and storage, 15,000 tons capacity. $300,000. Private plans. A. Doyle, ch. engr.

Fla., Jacksonville—MILL—Amer. Cross Arm Co., Graham Bldg., purchased 20,000 acres in Orange and Osceola Counties and plans 100,000 ft. daily capacity mill.

Ala., Anniston—PLANT—M and H Valve & Fitting Co., J. W. Conway, pres., plans 100 x 500 ft. foundry and 30 x 75 ft. patten shop. J. E. Sirrine & Co., 309 South Main St., Greenville, S. C., engrs. Noted June 11.

La., Shreveport—ROUNDHOUSE—Texas & Pacific Ry., c/o E. F. Mitchell, ch. engr., Dallas, Tex., soon takes bids roundhouse, repair shop, car shed, etc., here. $200,000.

O., Cincinnati—PLANT and OFFICE—Lockwood, Greene & Co., archts. and engrs., 1 Pershing Sq., New York City, soon let contract 14 story and basement, 116 x 190 ft., brick, steel and concrete, 619 Vine St., here, for Cincinnati Enquirer, F. Wiley, bus. mgr. $2,500,000. Noted Mar. 26.

Ind., Rockville—POWER PLANT—Indiana State Sanitorium, plans 2 story and basement, rein.-con. power plant. $50,000. C. Brossman, Merchants Bank Bldg., Indianapolis, engr.

Ark., El Dorado—ROUND HOUSE—Missouri-Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., plans round house and 2 mi. track, here. E. A. Hadley, ch. engr.

Ark., Fayetteville—FREIGHT STATION—St. Louis & San Francisco R.R. Co., 120 Bway., New York City, plans new freight station and remodeling passenger depot, here. $75,000. F. G. Jonah, St. Louis, Mo., ch. engr.

Tex., Beaumont—POWER PLANT—East Texas Electric Co., E. S. Fitz, supt., soon takes bids rein.-con., brick and steel power plant, 120,000 kw. capacity. $5,000,000. Stone & Webster Eng. Co., 147 Milk St., Boston, Mass., engrs.

Tex., San Antonio—FACTORY—Chamber of Commerce has detailed plans of 3 story, rein.-con., brick and stone factory, here. $250,000. Owner's name withheld.

Tex., San Antonio — FACTORY — Joseph Love, Inc., 40 East 22nd St., plans concrete, brick and stone factory, here. $200,000.

Tex., Temple—ICE PLANT—Temple Ice & Refrigerating Co., 401-409 South 2nd St. having plans prepared and soon takes bids 40 ton ice plant, concrete and brick, West Ave. A and 5th St. $150,000. Ophuls & Hill, 112 West 42nd St., New York City, N. Y., engrs. June 25.

Tex., Wichita Falls — CREAMERY — Mistletoe Creamery Co., c/o S. S. Lard, pres., plans 2 story, 50 x 100 ft. plant. $100,000. Engineer and architect not selected.

Okla., Blackwell — FACTORY and GARAGE—Murdock Motor Co., Ponca City, plans factory and garage, here. $55,000. Engineer and architect not selected.

Okla., Lawton—POWER PLANT—Southwestern Light & Power Co. plans to expend $250,000, general improvements to plans, equipment, extensions, etc.

Calif., Martinez—FACTORY—Amer. Plywood Co., c/o T. Johnson, engr., Hearst Bldg., San Francisco, plans one story factory. $40,000.

Calif., San Francisco—FACTORY—U. S. Metal Products Co., 320 10th St., plans 2 story, 208 x 416 ft., steel and rein.-con., 3rd and Williams Aves. Engineer and architect not selected.

Calif., San Francisco — MILL — Pacific Rolling Mill Co., 17th and Mississippi Sts., plans 1 story steel mill, 2,000 tons per month capacity, on 4 acre site Marin and Kansas Sts. $750,000 or more.

Calif., South San Francisco — MILL — Western Pipe & Steel Co. of California, 444 Market St., San Francisco, having plans prepared (1st unit) 90 x 2,000 ft. group of steel mill buildings here. $1,000,000. W. W. Breite, 601 Clunie Bldg., San Francisco, engr.

Calif., Watsonville—CREAMERY—Watsonville Creamery having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 1 story, rein.-con. and terra cotta. $40,000.

BIDS DESIRED

N. H., Beebe River—FACTORY—Draper Corp., Hopedale, Mass., taking bids 1 story, brick and timber factory, here. $40,000 or more. C. R. Whitcher, 814 Elm St., Manchester, archt.

Mass., Boston—REPAIR and SERVICE GARAGE — H. Klayman, 39 Wilcox St., Dorchester, will build 2 story, 90 x 120 ft., rein.-con. and brick, Neponset Ave., here. $90,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill St., Boston, archt.

Mass., Cambridge (Boston P. O.) — MANUFACTURING—Carlton Realty Co., H. L. Rinaldi, 42 Carlton St., taking bids 3 story, 40 x 105 ft., rein.-con. and brick, Carlton St. $50,000. E. N. Adams, 86 Everett St., Arlington, archt.

Mass., Lynn—SHOP—General Electric Co. taking bids Forge Shop 42 E, 1 story, 55 x 100 ft., brick and steel. Private plans.

Conn., Hartford—PLANT—Bd. Charities & Correction, Room 2, City Hall, taking bids refrigeration and ice manufacturing plant, at Springside Home.

Conn., Waterbury—FACTORY—July 18, by Patent Button Co., 41 Brown St., 4 story and basement, 60 x 176 ft., concrete and steel, Abbott St. $200,000. Westcott & Mapes, 139 Orange St., New Haven, archts.

N. Y., New York—BOILER PLANT—July 20, by W. W. Mills comr. Plants & Structures, addition to boiler plant for Central Motor Repair Shop and Willard Parker Hospital, 16th St. and Ave. C.

Pa., Phila. — MANUFACTURING — July 17, by H. H. King, archt., 6752 Germantown Ave., 4 story and basement, 45 x 70 ft., brick and steel addition, plain foundation, Germantown Ave. and Pastorius St., for J. R. Kendrick Co., Inc. $40,000.

O., Cleveland—GENERATING STATION—July 18, by Cleveland Electric Illuminating Co., c/o J. Wolf, engr., Illuminating Bldg., taking bids 1 story, 283 x 315 ft. and 41 x 312 ft., brick, steel and concrete, Avon Beach. $10,000,000. McClellan & Junkersfeld, 68 Trinity Pl., archt.

Wis., Beloit—FOUNDRY—Beloit Fdry. Co., 308 Gardner St., taking bids 1 story, 84 x 180 ft., brick and steel foundry. Private plans.

Wis., Milwaukee — FACTORY — July 20, by G. Zagel & Bro., archts., 144 Oneida St., 1 story and basement, 60 x 173 ft., brick and timber, Fratney St., for A. H. Peters, 1165 38th St. $45,000.

Calif., Los Angeles — FACTORY and STORE—R. Hale, 6619 Franklin Ave., taking bids on sub-contracts, 3 story, 98 x 156 ft., Class C, 301-09 East Pico St. $60,000. Miller & Hale, 5412 Santa Monica Blvd., engrs. Somervell & Putman, 905 Commercial Exch., archts.

BIDS RECEIVED

N. Y., Brooklyn—HOUSING STATION—Dept. Plants & Structures, Municipal Bldg., New York City, July 13, housing station on New York Ave. between Winthrop St. and Parkside Ave., here, from Hamilton Chambers Co., 29 Bway., New York City, $114,700.

N. Y., New York—HOUSING STATION—Dept. Plants & Structures, Municipal Bldg., housing station, at 56th St. west of 11th Ave., from Hamilton Chambers Co., 29 Bway., $43,780.

CONTRACTS AWARDED

Mass., Jefferson—MILL—Jefferson Co., 2 story, brick and timber mill, to Fiske Carter Constr. Co., 11 Foster St., Worcester. Archts. est. $50,000.

Mass., Malden (br. of Boston)—MILL—Cunningham Spice Co., Plymouth Rd., will build 3 story, 50 x 75 ft., rein.-con. and steel, rear of 172 Linden Ave., by day labor. $40,000. Private plans. Noted Mar. 26.

Mass., Malden (br. Boston)—FACTORY—Eastern Cast Stone Co., 9 Binney St., Cambridge, 1 story, 60 x 225 ft., brick and steel, plain foundation, Wastern Ave., to S. Spector, 24 York St., Dorchester. Archts. est. $50,000.

Mass., New Bedford—MILL—Manomet Mills, Belleville Ave., taking bids 2 story, 120 x 520 ft., brick and steel, plain foundation. $300,000. C. R. Makepeace & Co., Butler Exch. Bldg., Providence, R. I., engrs. and archts.

Conn., Hartford—REPAIR SHOP and GARAGE—Dept. State Police, 100 Washington St., 1 and 2 story, 55 x 145 ft., rein.-con., brick and steel, plain foundation, to S. C. Poriss Co., 104 Asylum St. Archts. est. $50,000. Noted July 9.

Conn., Waterbury — BOILER HOUSE, etc.—Connecticut Co., West Main St., 2 story and basement, 51 x 66 ft. boiler house, to Sullivan & McKeon, 937 Dixwell Ave., New Haven; 50 x 120 ft. office and operating building, to Clark Constr. Co., 108 Grand St.; bus storage addition, to Tracy Bros. Co., Grand St.; trolley express addition, to Pardy Constr. Co., 1481 Seaview Ave., Bridgeport, all brick and steel, West Main St., $150,000 or more.

N. Y., New York — HEADQUARTERS BUILDING — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., repairing headquarters building at East Bronx Pipe Yard, Sect. 1, masonry work, to G. A. Glantz, 409 Lexington Ave., $47,900; Sect. 2, iron fencing and paving, to Balbaban Gordon Co., 116 West 39th St., $5,000. Noted July 9.

Pa., Bloomsburg—MILLS—Magee Carpet Co., West 5th St., general contract Mills 8 and 9, 1 story, to H. A. Moore Co., Milton. Archts. est. $75,000.

Pa., Phila. — MANUFACTURING — L. Fein, c/o I. W. Levin, archt., 1011 Chestnut St., 6 story and basement, 73 x 106 ft., rein.-con. and brick, Franklin and Spring Garden Sts., to J. N. Gill Co., City Center Bldg. Archts. est. $100,000.

Pa., Phila.—MANUFACTURING—Philadelphia Bag Co., 86 Tasker St., 2 story and basement, 101 x 128 ft., rein.-con. and brick, plain foundation, Water and Dickson Sts., to W. R. Dougherty, 1608 Sansom St. Archts. est. $200,000. Noted June 25.

Pa., Pittsburgh—PLANT—Homeopathic Hospital, Center Ave., general contract 1 story and basement, 53 x 89 ft., concrete and brick, Center Ave. near Aikens Ave., to D. T. Riffle, 1006 Forbes St.

Del., Wilmington—MANUFACTURING—Pyrites Co., Ltd., Christiana Ave., 1 story, 100 x 235 ft., brick and tile, plain foundation, to Turner Constr. Co., 1713 Sansom St., Phila., Pa. Archts. est. $100,000.

O., Akron — HEATER ROOM — Osborn Eng. Co., 7016 Euclid Ave., 3 story and basement, 40 x 220 ft., brick, steel and concrete addition, to Moran Constr. Co., 413 Terminal Bldg., Cleveland, for General Tire & Rubber Co., 1708 East Market St. Archts. est. $150,000. Noted June 11.

O., Cleveland—PLANT—Central Publishing House, P. Wetzel, bus. mgr., 2969 West 25th St., 3 story and basement, 60 x 62 ft., brick and rein.-con. addition, to H. B. Slatmyer & Son Constr. Co., 203 Lakeside Ave. Archts. est. $40,000. Noted June 11.

O., East Youngstown — Youngstown Sheet & Tube Co., W. J. Morris, treas., Wick Bldg., Youngstown, steel for 1 story seamless tube mill, to McClintick-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $1,000,000. Noted Mar. 5.

Ind., Ft. Wayne — PLANT — News-Sentinal Publishing Co., 3 story, brick, steel and concrete, to Bushing-Hagerman Co., Ft. Wayne. Archts. est. $350,000. Noted June 4.

Ill., Chicago—FACTORY—Wallace Bros. Waste Co., 1347 South Ashland Ave., 2 story and basement, 50 x 124 ft., cotton and wool factory, 3350 West 48th Pl., to E. W. Sproul Co., 2001 West Pershing Rd. Archts. est. $62,000.

Wis., Beloit — BOILER HOUSE — Beloit Water Gas & Electric Co., Public Service Bldg., 2 story, 40 x 63 ft., brick and concrete addition, to Adams Constr. Co., 217 Clarkson St., Chicago, Ill. Archts. est. $50,000. Noted June 25.

Wis., Marinette — SUB-STATION — Menominee & Marinette Light & Traction Co., Menominee, Mich., 2 story, 40 x 70 ft., brick and concrete, plain foundation, to F. W. Vecke, Menominee. Archts. est. $40,000. Noted May 14.

Wis., Merrill—PLANT—Page Milk Co., L. Gilkey, secy., 2 story, brick and timber plant, to C. G. Torkelson, Merrill. Archts. est. $150,000.

Wis., Milwaukee—LAUNDRY—Building Finance & Constr. Co., 631 Walnut St., will build 2 story and basement, 92 x 150 ft., brick and timber, plain foundation, West Side, by day labor. $150,000. Private plans.

Wis., Oshkosh — FACTORY — Oshkosh Auto Specialty Co., Forest Ave., 1 story, 50 x 146 ft., brick and concrete, plain foundation, to Fluor Bros. Constr. Co., 52 Otter St. Archts. est. $40,000.

Minn., St. Paul—PLANT—Ford Motor Co., Highland Park, Mich., general contract

Buildings—Industrial (Continued)

1 story gas reducing plant, rein.-con. and brick, near Federal Dam in Mississippi River, here, to G. H. Struchen, 405 Dakota Bldg., St. Paul, approximately $250,000.

Kan., Hutchinson — ROUND HOUSE — Atchison, Topeka & Santa Fe R.R. Co., Ry. Exch. Bldg., Chicago, Ill., general contract 1 story, 16 x 123 ft., 12 stall, rein.-con. roundhouse, here, to McKee Constr. Co., El Paso, Tex. Archts. est. $100,000. This corrects report in June 15 issue.

Mo., Kansas City — GARAGE — J. H. White, 13th and Grand Sts., general contract 2 story and basement, 116 x 149 ft., rein.-con., brick and steel, to M. S. Shinnick, Jenkins Bldg., Kansas City.

Mo., Kansas City—PLANT—Columbian Steel Tank Co., 1601 West 12th St., will build 4 story, 130 x 253 ft., rein.-con. and brick plant unit, by day labor. $500,000. A. M. Griffin, c/o owner, engr.

Mo., St. Louis — FOUNDRY — Busch Selzer Bros. Deisel Engine Co., 3300 South 2nd St., 1 story, 28 x 46 ft., rein.-con. and steel, South 2nd St., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg., St. Louis. Engrs. est. $40,000.

Ont., Cochrane—PLANT—Abitibi Power & Paper Co., Iroquois Falls, extending power house to Fraser Brace Co., Ltd., 63 Craig St., Montreal, Que.; for 12,000 hp. vertical turbine, direct connected to 12,500 kva. generators, changing existing 12,500 kva. generators from 25 to 60 cycle, additional transformers, etc., to Dominion Eng. Co., Lochine, for hydro electric plant at Island Falls, near here; also 110,000 v. transmission line, with steel tower, 50 mi. from Hunta to Iroquois Falls, to Canadian Bridge Co., Walkerville. Engrs. total est. $2,000,000 to $2,500,000.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — STORE and APARTMENT—Manson Lumber Co., 103 Border St., East Boston, plans 2 or 3 story, brick, Border St. $150,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.) — WAREHOUSE—R. H. Stearns Co., 140 Tremont St., Boston, plans warehouse, Bway., $150,000 or more. Engineer and architect not selected.

Mass., Rosindale (Boston Sta.) — THEATRE—Rosindale Rialto Theatre, Inc., Rosindale Sq., plans reconstructing Gorman Theatre, 1 and 2 story, brick, Washington and South Sts. $150,000. Engineer and architect not selected.

Mass., Worcester — GARAGE — C. D. Parker & Co., 150 Congress St., Boston, having preliminary plans prepared by C. T. Main Co., 200 Devonshire St., Boston, 2 story, rein.-con. garage, Myrtle and Burnside Sts., here. $160,000. Y. D. Service, Inc., c/o owner, lessee.

Conn., Greenwich — HOSPITAL — St. Lukes Hospital, 113th St. and Amsterdam Ave., New York City, plans new hospital, on 200 acre site, King St. here. $1,000,000. Engineer and architect not selected.

Conn., Manchester — ARMORY — State Armory, State House, Hartford, had plans prepared by Payne & Keefe, Manwaring Bldg., New London, 3 story, brick and steel head house, with executive office and company rooms. $150,000.

Conn., Norwich—HOSPITAL—Norwich State Tuberculosis Hospital plans building additions, reservoir repairs and power house improvements. $226,700 appropriated.

N. Y., New York — APARTMENT — J. Weinstein, 817 West End Ave., having plans prepared by Gronenberg & Leuchtag, 450 4th Ave., 6 story apartment, 93rd St. and Columbus Ave.

N. Y., New York — APARTMENT, HOTEL and THEATRE—Lebanon Building Corp., c/o L. J. Linder, 67 Wall St., plans studio apartment hotel with roof garden and theatre, 244-254 West 52nd St. $1,500,000.

N. Y., New York — COURT HOUSE — City having plans prepared by M. Haushe, 3307 3rd Ave., and soon takes bids 2 story, 72 x 120 ft., brick, Roberts Ave. and Williamsbridge Rd. $350,000. Noted Apr. 3.

N. Y., New York—HOTEL—Seventeenth St. Corp., c/o G. F. Pelham, archt., 200 West 72nd St., having sketches made 15 story hotel, Amsterdam Ave. and 70th St. $1,250,000.

N. Y., New York—LOFT and OFFICE—Harriet Hubbard Ayer, c/o L. S. Dodge, 323 East 34th St. having preliminary plans prepared by H. C. Ingalls, 347 Madison Ave. loft, office and factory, 10th Ave. and 44th St.

N. Y., New York—LOFT and STORE—V. Mayper, archt., 15 East 40th St., making sketches, 17 story, store and loft, 48-54 East 34th St. Owner's name withheld.

N. Y., New York—STORE and LOFT—J. Silverman, 1547 Bway., having preliminary plans prepared 20 story, 75 x 100 ft. store and loft, 531-535 8th Ave. Engineer and architect not announced.

N. Y., New York—THEATRE and BUSINESS—Jerome Ave. Exhibition Co., Inc., c/o J. E. DeRosa, archt., 110 West 40th St., having sketches made theatre and business building, Jerome Ave. and 176th St.

N. J., Elizabeth—THEATRE—J. Fabian, 1148 East Jersey St., plans new theatre, East Jersey St. $200,000. Engineer and architect not selected.

N. J., New Brunswick—APARTMENT—J. A. O'Connell, 417 George St., having plans prepared by L. Sweezy, Bible House, New York City, 6 story, 115 x 115 ft., Livingston Ave. and Townsend St. $300,000.

N. J., Trenton—HOME—Most Worshipful United Lodge of Ancient and Honorable Masons, P. K. Martin, grand master, 515 Federal St., Camden, plans home here. $150,000. Engineer and architect not selected.

Ga., Valdosta—HOTEL—D. C. Ashley Estate, c/o W. T. Lane, Jr., 1422 Peachtree St., having preliminary plans prepared 10 story and basement, 150 room hotel. $500,000.

Fla., DeFuniak Springs — COURT HOUSE—Walton Co., W. I. Stinson, chn. Bd. plans court house. $150,000.

Fla., Tampa — HOTEL — Tribune Publishing Co., W. F. Stovell, pres., having plans prepared by B. C. Bontocy, 12 Petteway Bldg., 10 story, 105 x 130 ft., Jackson and Pierce Sts. $1,500,000.

Ala., Bessemer—CITY HALL, etc.—City having plans prepared by DenLam, Van Keuren & DenLam, Jefferson City Bank Bldg., Birmingham, 3 or 4 story and basement, city hall and fire department. $150,000-$200,000.

Miss., Columbus—Y. M. C. A., c/o S. W. Dean, International Building Bureau, 347 Madison Ave., New York City, having preliminary plans prepared rein.-con. and brick building, here. $250,000. Private plans.

Miss., Jackson—STORE—Emporium Department Store will not construct 5 tory, 82 x 125 ft. department store. Project abandoned. Noted June 11.

La., New Orleans — APARTMENT — Syndicate composed of J. W. Billingsley, consult. engr., Interstate Bank Bldg., and M. Eiseman, realtor, 819 Union St et al, having plans prepared by H. L. Burton, 318 Carondelet St., apartment, St. Charles and St. Mary Sts. $250,000.

Tenn., Memphis—ELKS HOME—B. P. O. E., Jefferson St., having plans prepared by Mahan & Broadwell, German Bank Bldg., 12 story ultimately 14 story, 75 x 148 ft., fireproof, incl. swimming pool, gymnasium, etc. $750,000. Noted Sept. 25.

O., Cleveland — COMMERCIAL APARTMENT and GARAGE—Euclid-Ford Co., M. W. Bruml, pres., Guardian Bldg., having plans prepared by M. Weis, 617 Union Bldg., 5 story, 150 x 210 ft., brick, steel and concrete, Euclid Ave. near Cornell Rd. $300,000.

O., Columbus — THEATRES — James Theatre Enterprises, 39 West Broad St., having plans prepared by C. H. Crane, 542 Griswold St., Detroit, Mich., 2 story and basement, 120 x 168 ft., brick, steel and terra cotta, Parsons and Reinhard Sts. $350,000; also 1 story and basement, 111½ x 150 ft., East Main St., $300,000.

O., Dayton—BANK and OFFICE—Dayton Savings Bank & Trust Co., W. R. Craven, pres., having plans prepared by Hermann & Brown, Reibold Bldg., 5 and 9 story, 25 x 175 ft., brick, steel and concrete additions. $400,000. Lewis & Warren, 1001 Realty Bldg., Louisville, Ky., mechanical engrs.

Ind., Indianapolis—APARTMENT—T. B. Brydon, 124 South Bolton St., having plans prepared by A. Fleck, 143 East Ohio St., 3 story and basement, brick and timber, concrete pile foundation, Washington St. $150,000.

Ind., Indianapolis—CLUB—Indianapolis Propylaeum Assn. having plans prepared by H. Foltz, Wild Bank Bldg., 3 story and basement, rein.-con. and brick, Delaware St. $150,000.

Ind., Indianapolis — NURSES HOME — St. Vincents Hospital, Fall Creek Blvd. and Capitol Ave., having plans prepared by D. A. Bohlen & Son, Majestic Bldg., 5 story and basement, brick, steel and concrete, Illinois St. $175,000.

Ind., Indianapolis — OFFICE — Chamber of Commerce, having plans prepared by R. F. Dagget, Continental Bldg., 10 story and basement, 85 x 195 ft., rein.-con. and brick, concrete pile foundation, Meridian St. $1,500,000.

Ind., Indianapolis — THEATRE — G. A. Reed, 4170 Winthrop Ave., plans 2 story and basement, 80 x 160 ft., rein.-con. and steel theatre. $175,000. Ostrom Realty Co., Peoples Bank, archts.

Ind., Muncie — HOSPITAL — Ball Bros., Muncie, having plans prepared by Cuno Kibele, 118 East Adams St., probably 5 story and basement, rein.-con. and brick hospital. $1,000,000.

Ind., South Bend — Y. M. C. A. having plans prepared by Austin & Shambleu, 111 North Lafayette St., 4 story and basement, brick, steel and concrete, concrete pile foundation. $200,000.

Ind., Vincennes — ORPHANAGE — St. Francis Orphanage having plans prepared by Shopbell, Fowler & Thole, Evansville, 3 story and basement, brick orphanage. $300,000.

Ill., Belleville — COURT HOUSE — St. Clair Co. making preliminary plans 3 story, brick and concrete court house annex. $250,000 or more, or 4 story addition to existing building $50,000.

Ill., Chicago—THEATRE and OFFICE—G. M. Cohan, 1840 Bway., New York City, having plans prepared by Rebori, Wentworth & Dewey, Inc., 332 South Michigan Ave., 6 story, 100 x 142 ft., 1,200 seating capacity, steel, 119 North Clark St.

Ill., Decatur—TEMPLE—Decatur Masonic Temple Assn., L. A. Mills, pres., 1057 Lincoln Ave., having preliminary plans prepared rein.-con., brick and stone masonic temple. $500,000.

Ill., Springfield — OFFICE, etc. — State Building Comn., Springfield, appropriated $700,000, for 5 or 7 story and basement office building addition to Centennial Bldg. and $450,000 for various other buildings on State Fair Grounds. State Architect, Springfield, archt. Engineer not selected.

Wis., Milwaukee — APARTMENT and BUSINESS—Miller Investment Co., 216 West Water St., plans 2 story and basement, brick and tile, Lake Bluff Blvd. $150,000. Engineer and architect not selected.

Wis., Milwaukee — HOME — Milwaukee Protestant Home for Aged, 503 Downer Ave., had revised plans prepared by Scott & Mayer, 214 Mason St., 4 story and basement, 32 x 40 ft., and 42 x 132 ft., brick and concrete addition, plain foundation, Downer Ave. $200,000. Noted Oct. 23.

Wis., Milwaukee — THEATRE and BUSINESS—Siebert & Kegler, archts., 230 Grand Ave., preparing preliminary plans 2 story and basement, 100 x 150 ft., rein.-con. and brick, plain foundation. $250,000. Owner's name withheld.

Wis., Milwaukee—THEATRE—J. H. Silliman, 571 Downer Ave., having revised plans prepared by M. Tullgren & Sons, 425 East Water St., and soon takes bids 2 story, 100 x 200 ft., concrete, terra cotta and brick, plain foundation, Teutonia Ave. $150,000. Noted Mar. 19.

Wis., Sheboygan—APARTMENT—J. F. Enz, 608 North 8th St., having plans prepared by Leenhouts & Guthrie, 424 Jefferson St., Milwaukee, 3 story and basement, 62 x 130 ft., rein.-con. and brick, plain foundation, Ontario Ave. $150,000.

Ia., Des Moines—DORMITORY—Drake University, 25th and University Sts., A. Holmes, pres., having pheliminary plans prepared Girls Dormitory, 3 story, 250 room, rein.-con., brick and stone.

Minn., Minneapolis—DORMITORY—University of Minnesota, F. B. Snyder, pres. Bd. Regents, plans 3 story and basement womens dormitory, rein.-con., brick and stone. $500,000. C. H. Johnston, 715 Capitol Bank Bldg., St. Paul, archt.

Kan., Goodland—COURT HOUSE—Sherman Co., c/o C. W. Jupe, clk., plans new court house. Election soon $300,000 bonds for same.

Kan., Topeka—FIRE STATIONS—City, c/o W. A. Stanfield, comr. Water & Light, making preliminary plans 3 fire stations. $200,000. This corrects report in June 11 issue.

Kan., Wichita — OFFICE and WAREHOUSE — Grant-Billingsley Produce Co., 123 North Rock Island, will not construct 6 story and basement, 107 x 140 ft. office and warehouse. This corrects report in June 25 issue.

Mo., Kansas City—HOTEL—R. Peltzman, 801 East 30th St., plans hotel, 12th St. $250,000.

Mo., Kansas City—HOTEL, THEATRE, etc.—W. C. Gumm, 504 West 75th St., having plans prepared by H. A. Drake, 315 Reliance Bldg., 14 story and basement, 180 x 305 ft., brick and terra cotta hotel, theatre, office and store building, Linwood Blvd., Troost and Forest Aves. $2,500,000.

Mo., Kansas City — OFFICE and THEATRE—E. J. Willet, 3619 Bway. had plans prepared by R. Gornall, 3619 Bway., 12 story and basement, 76 x 160 ft., brick, rein.-con. and terra cotta office and theatre building. $1,500,000.

Mo., St. Louis — ADMINISTRATION — City soon takes bids 2 story and basement, rein.-con., brick and stone, Arsenal St., for Isolation Hospital. $286,000. L. R. Bowen, 301 City Hall, archt. H. Updike, 301 City Hall, engr.

Buildings—Commercial (Continued)

Tex., Abilene — CITY HALL and FIRE STATION — Election soon $250,000 bonds for city hall and fire station. C. E. Coombs, mayor. Noted Mar. 2.

Tex., Beaumont—THEATRE—Jefferson Amusement Co. soon takes bids 80 x 150 ft., rein.-con., brick, steel and terra cotta theatre, 2,000 seating capacity. $500,000. E. Weil, 3607 St. Charles St., New Orleans, La., archt. Noted July 2.

Tex., Houston—OFFICE—N. Esperson Estate, c/o N. Esperson, 1611 2nd Natl. Bank Bldg., takes bids about Aug. 1, 26 story and tower, 151 x 155 ft., rein.-con., brick, steel, stone and terra cotta, Travis St. and Rush Ave. $2,000,000. J. Eberson, 212 East Superior St., Chicago, Ill., archt. Noted Mar. 12.

Tex., Houston—THEATRE—Main Realty Co., c/o Kelwood Co., archts., Travis Bldg., San Antonio, takes bids about July 25, 115 x 150 ft., rein.-con., brick, steel and stone, Main St. and McKinney Ave. $400,000. W. E. Simpson Co., Natl. Bank of Commerce Bldg., San Antonio, structural engr.

Tex., Ft. Worth—BUSINESS—Van Zandt Jarvis, Jarvis Heights, Ft. Worth, and Southland Life Bldg., Dallas, having plans prepared by W. G. Clarkson & Co., 606 1st Natl. Bank Bldg., 3 story (ultimately 10 story) and basement, rein.-con., brick, steel and stone business building. $300,000. F. W. Woolworth & Co., c/o C. C. Foster, dist. mgr., 2218 Fairmont St., lessee.

Tex., Ft. Worth — EXCHANGE — Fort Worth Grain & Cotton Exch., c/o E. B. Wooten, secy., Neil P. Anderson Bldg., plans 79 x 152 ft., rein.-con., brick, stone and steel, 10th and Lamar Sts. $750,000. Engineer and architect not selected.

Okla., Oklahoma City—OFFICE—W. T. Hales, 1st Natl. Bank Bldg., having preliminary plans prepared 6 story and basement, 50 x 140 ft., rein.-con. and brick, plain foundation, Grand and Harvey Sts., $250,000. Engineer and architect not selected.

Wash., Seattle—APARTMENT HOTEL—Lawton & Moldenhour, archts., Alaska Bldg., takes bids about Aug. 19, 12 story and basement, 120 x 120 ft., rein.-con., 9th and Pine Sts., for L. N. Rosenbaum Estate, c/o architects. $400,000.

Calif., Alhambra—LODGE, OFFICE, etc. —Temple Estate Co., c/o Walker & Eisen, archts., 756 South Spring St., Los Angeles, had preliminary plans prepared 5 story and basement, 100 x 150 ft., Main and 3rd Sts. $500,000.

Calif., Bakersfield—OFFICE and STORE —F. A. Hamlin, et al., plans 5 to 6 story and basement, fireproof, 17th and Chester Sts. $350,000. Engineer and architect not selected.

Calif., Exeter — HOTEL — Community Hotel Corp. of Exeter, c/o W. H. Weeks, archt., 369 Pine St., San Francisco, plans 2 and 3 story, rein.-con. and brick hotel. $175,000.

Calif., Los Angeles — HOTEL — F. N. Dlouhy, archt., 1209 Pershing Sq. Bldg., preparing preliminary plans 13 story and basement, 70 x 180 ft., Class A, Boylson, Beaudry, and 5th Sts., $800,000. Owner's name withheld.

Calif., Los Angeles — HOTEL and APARTMENT—H. F. Eaton, having plans prepared by L. A. Smith, 3rd St. and Webster Ave., 4 story and basement, 50 x 150 ft., Grand Ave. between 3rd and 4th Sts. To exceed $150,000.

Calif., Los Angeles—OFFICE and STORE —Union Automobile Insurance Co., Lane Mortgage Bldg., soon takes bids 6 story and basement, 182 x 217 ft. S. W. corner, 6th and Loomis Sts. $400,000. Walker & Eisen, 756 South Spring St., archts. Noted June 11.

Calif., Los Angeles—STUDIO and STORE —Musicians Mutual Protective Ass'n. c/o Young & Mortimer Co., archts., 818 Chapman Bldg., having plans prepared 5 story and basement, rein.-con. Jones near Eddy Georgia St.

Calif., Los Angeles — WAREHOUSE — ... E. Frost & Co., c/o C. E. Finkenbinder, ... Story Bldg., archt. having plans prepared 4 story, 165 x 273 ft. storage warehouse, 1824 East 15th St. $250,000.

Calif., Oakland—HOTEL—Boulevard Hotel Co., c/o J. L. Stewart, 703 Market St., San Francisco, archt., having preliminary plans prepared 14 story and basement, 423 rooms, fireproof, San Pablo Ave. between Market and 28th Sts. $2,000,000.

Calif., Santa Barbara — HOTEL — A. L. Richmond, Arlington Hotel, plans rebuilding fireproof hotel, recently destroyed by earthquake. $2,500,000.

Calif., San Jose — THEATRE — West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, having plans prepared by Weeks & Day, 315 Montgomery St., San Francisco, Class A theatre, 1,200 to 1,500 seating capacity, 1st St. $200,000. Noted Mar. 12.

Ont., Toronto—OFFICE—Yolles & Rotenberg, 85 Richmond St. W., having plans prepared by Chapman & Oxley, Harbor Bldg., 12 story and basement, 60 x 80 ft., rein.-con. or steel, plain foundation, Bay and Temperance Sts. $500,000.

Ont., Toronto—OFFICE—York Twp., 40 Jarvis St., plans probably 3 story, rein.-con., brick and stone, outside city. $150,-000. Architect not selected. F. B. Goedike, twp. engr.

BIDS DESIRED

Me., Sanford—STORE—Green Bros., c/o Krokyn & Browne, archts., 220 Devonshire St., Boston, taking bids 2 story and basement, 100 x 104 ft., brick store building. $150,000.

N. H., Littleton — THEATRE — H. B. Eames taking bids 2 story, 60 x 125 ft., rein.-con. and steel theatre, plain foundation. $150,000. Haynes & Mason, 280 Main St., Fitchburg, archts.

Mass., Boston — APARTMENT — Klsyth Realty Trust, Carlin & Cherney, trustees, 115 Brighton St., will build 10 story and basement, brick, cast iron and steel, plain foundation, 250 Beacon St. Work will be done by separate contracts. Noted July 9.

Mass., Boston—GARAGE—J. M. Howe, et al., 10 State St., taking bids 6 story, 140 x 180 ft., rein.-con., brick and steel, plain foundation, Cambridge and Green Sts. $1,500,000. R. H. Doane, 162 Newbury St., archt. former bids rejected. Noted Mar. 19.

R. I., Woonsocket—STORE—Kane Furniture Co., 86 North Main St., taking bids 4 story and basement, 60 x 150 ft., brick and steel, Main and Church Sts. $175,000. A. J. Smith, 142 Lunenburg St., Fitchburg, Mass., archt. Noted Mar. 19.

R. I., Woonsocket — STORE and THEATRE—Stadium Realty Corp., A. I. Darman, pres., taking bids 2 story and basement, 125 x 145 ft., brick and steel, plain foundation, Monument Sq. $350,000. Perry & Whipple, Hospital Trust Bldg., Providence, archts.

Conn., Manchester—TOWN HALL—July 15, by Bd. Town Selectmen, 2 story, rein.-con., brick and timber town hall. $200,000. F. C. Farley, 333 4th Ave., New York City, archt.

Conn., New Haven—GARAGE, SERVICE and SHOWROOM—E. M. Jennings Co., 347 Crown St., soon lets contract 1 story, 100 x 280 ft. brick and stone, Whalley Ave. $100,000-$150,000. Norton & Townsend, 839 Chapel St., archts.

Conn., Willimantic—HOTEL—July 20, by Community Hotel Corp., W. P. Jordon, 228 North St., brick and steel, Main St. $350,000. G. B. Post & Son, 101 Park Ave., New York City, archt. Noted May 14.

Pa., Creighton—OFFICE, etc.—July 18th, by Pittsburgh Plate Glass Co., Frick Bldg., Pittsburgh, 4 story and basement, brick and steel, office and laboratory buildings, here. $150,000. Private plans.

Pa., Phila. — ADMINISTRATION — July 17, by J. Molitor, city archt., Bankers Trust Bldg., 1 story and basement, 40 x 200 ft., 25 x 42 ft., stucco and steel, South Broad St., Moyamening and Oregon Aves., for Sesqui International Exposition, Bellevue and Stratford Sts.

Pa., Phila. — APARTMENT — Stetler & Deysher, archts., Jefferson Bldg., soon lets contract 8 story and basement, 107 x 234 ft., brick and steel, plain foundation, 47th and Walnut Sts., for Kenin & Shapiro, Inc., 5850 Market St. $1,500,000.

Pa., Phila. — WAREHOUSE, etc. — July 25, by Webber & Wurster, archts., 1530 Locust St., 1 and 2 story and basement, 81 x 282 ft., brick and steel show room, warehouse and garage, plain foundation; 6th St. and Roosevelt Blvd., for Wright & Wright, Inc., 2215 North Broad St.

Pa., Pittsburgh—STORAGE—H. J. Heinz Co., 1062 Progress St., N. S., and R. M. Trimble, archt., Ferguson Bldg., soon lets contract 4 story and basement, rein-con., brick and steel, River Ave. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — F. S. Jones, Guardian bldg., taking bids 3 story and basement, 75 x 105 ft., brick and timber, Hough Ave. and Crawford Rd. $150,000. J. Kalsch, 4500 Euclid Ave., archt.

O., East Cleveland (Cleveland P. O.)—GARAGE — A. Green, 8914 Yale Ave., Cleveland, taking bids 1 story, 100 x 140 ft., brick, steel and concrete, Elderwood St. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

O., East Cleveland (Cleveland P. O.)—STORES and APARTMENT — L. Katz, Swetland Bldg., Cleveland, taking bids 4 story and basement, brick and steel, Strathmore and Euclid Aves. $250,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

Mich., Detroit—GARAGE—C. H. Acraee, archt., 542 Griswold St., taking bids 4 story, 100 x 100 ft., rein.-con. and brick, plain foundation, Woodward Ave., for C. Nederlanger, 11 Campus Martius. $150,000.

Mich., Jackson—OFFICE—July 18, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 14 story and basement, 75 x 110 ft., rein.-con., brick and steel, plain foundation, Michigan Ave., here, for W. R. Reynolds Co., Jackson.

Ill., Chicago — HOTEL — Oman & Lilenthol, engrs. and archts., 64 West Randolph St., taking bids 15 story and basement, 50 x 100 ft., rein.-con., brick and terra cotta, Ontario and St. Clair Sts., for Hotel Eastgate Building Corp., c/o architects. $1,000,000.

Wis., Eau Claire—WAREHOUSE—E. J. Hancock, Archt., Lacock Bldg., soon lets contract 3 story and basement, 80 x 100 ft., concrete and brick, for Eau Claire Coffee Co., 121 South River St. $75,000.

Wis., Milwaukee — APARTMENT — July 20, by A. Kenney, archt., c/o owner, 2 story and basement, 92 x 180 ft., brick and tile, plain foundation, Prospect Ave., for I. H. Benesch Co., 513 Van Buren St. $200,000.

Wis., Milwaukee — HOTEL — Leiser & Holst, archts., 105 Wells St., taking bids and open same about July 20, 3 story and basement, 75 x 145 ft., brick and tile, plain foundation. 6th St. $150,000. Owner's name withheld.

Wis., Waukesha—BATH HOUSES—July 27, by Van Ryn & De Gelleke, archts., 114 Grand Ave., Milwaukee, 3 story and basement, 20 x 52 ft., and 55 x 140 ft., brick and concrete addition to Moor Bath Hotel and Sanitorium, plain foundation, here, for Waukesha, Moor Baths Co., Prospect Ave. $150,000.

Okla., Tecumseh—COURT HOUSE and JAIL—July 28, by Clerk Pottawatomie Co., 3 story and basement, 80 x 110 ft. courthouse with 41 x 60 ft. jail above courtroom, concrete, brick and stone. A. C. Davis & Son, 430 North Bway., Shawnee, archts. Noted Dec. 25.

Calif., San Diego—EXCHANGE—Southern California Telephone Co., taking bids 3 story and basement, 100 x 100 ft., brick and terra cotta, San Diego St. $250,000. J. and D. B. Parkinson, 420 Title Insurance Bldg., Los Angeles, archts. Noted Dec. 25, 1924.

BIDS RECEIVED

N. J., Trenton Junction (Trenton P. O.) —DORMITORIES—State Bd. Educ., Trenton, July 6, general contract girls dormitory State School for Deaf, here, from General Contg. & Constr. Co., 117 Emory Ave., Trenton, $120,000; boys dormitory, from T. M. Day & Son, Hunt Bldg., Trenton, $14,397; alterations to superintendents home, from W. C. Ehret, Trenton Trust Bldg., Trenton, $13,856.

D. C., Wash. — HOSPITAL — Sibley Memorial Hospital, 1120 N. Capitol St., hospital addition, from C. H. Tompkins Co., Inc., 1612 Park Rd. $250,000.

CONTRACTS AWARDED

N. H., Manchester — APARTMENT — L. Scidel, c/o W. E. Provost, archt., 1061 Elm St., 3 story and basement, 90 x 100 ft. brick and timber, to Gamache Constr. Co., Manchester. Archts. est. $150,000. Noted Mar. 26.

Mass., Boston—COURT HOUSE—Dept. Pub. Buildings, 1 story and basement, 80 x 200 ft., granite and limestone, Chestnut Hill Ave. and Academy Hill Rd., to T. O'Connor Co., 218 Main St., Cambridge, $214,823. Archt. est. $225,000. Noted July 9.

Mass., Boston—NURSES HOME—Beth Israel Hospital, 45 Townsend St., Roxbury, 4 story and basement, 40 x 127 ft., with 37 x 40 ft. wing, brick and stone, Brookline and Longwood Aves., here, to C. A. Dodge, Erie and Albany Sts., Cambridge. Noted June 25.

Mass., Cambridge (Boston P. O.)—ELKS HOME—Cambridge Lodge of Elks, c/o D. R. Doyle, 4 story and basement, 60 x 100 ft., brick, plain foundation, Green St., to Askin & Sullivan, Central Sq., Cambridge. Archts. est. $150,000. Noted Apr. 23.

Mass., Cambridge (Boston P. O.) — STORE and WAREHOUSE—G. E. Preble, 485 Massachusetts Ave., 3 story and basement, 60 x 90 ft., brick, 798 Massachusetts Ave., to Crane Constr. Co., 80 Boylston St., Boston. Archts. est. $150,000.

Buildings—Commercial (Continued)

Mass., Dedham—LODGE and STORE—Dedham Council Knight of Columbus, 2 story and basement, brick, High and Washington Sts., to J. F. Fitzgerald Constr. Co., 294 Washington St., Boston. Archts. est. $150,000.

Mass., Holyoke—APARTMENT—J. J. Cavanaugh, 137 Pine St., 4 story and basement, 60 x 120 ft., brick, to G. C. Martineau & Son, 1028 Dwight St. Archts. est. $160,000.

Mass., Pittsfield—STORE—England Bros. Dept. Store, 184 North St., altering and constructing 3 story and basement, 40 x 150 ft., brick and hollow tile addition, to J. R. Hampson & Co., Inc., 184 North St., Pittsfield. Archts. est. $150,000. Noted May 21.

Conn., New Haven — APARTMENT — Vernoff & Richman, Elm St., will build 3 story, 85 x 115 ft., brick and steel, Norton St., by day labor. $200,000. C. H. Abramowitz, 42 Church St., archt.

N. Y., Brooklyn—BANK—First Natl. Bank, Bway. and Boerum Sts., general contract 3 story, 33 x 91 ft., brick, steel and stone, plain foundation, 176 Montague St., to J. Auer & Son, 648 Lexington Ave. Archts. est. $150,000. Noted June 4.

N. Y., Brooklyn—HOSPITAL—Caledonia Hospital, Woodruff Ave., 5 story and basement, brick and stone addition, plain foundation Parkside Ave. and St. Paul Pl., to William Kennedy Constr. Co., 215 Montague St. $400,000. Noted Apr. 30.

N. Y., New York—BANK and OFFICE—M. M. Natenson, 522 5th Ave., 30 story, brick, steel and stone, plain foundation, West 44th St. and 5th Ave., to G. Richard Davis, 30 East 42nd St. Archts. est. $4,000,000. Noted June 18.

N. Y., Troy—HOTEL—Community Hotel Corp., general contract 8 story, rein.-con., plain foundation, Bway., to E. F. Carlson Co., 244 Main St., Springfield, Mass., $467,022; plumbing, heating, etc., to J. J. Horan, 215 River St., $95,650. Noted June 25.

Pa., Phila.—APARTMENT—S. Schlosberg, 5446 Locust St., will build 4 story and basement, 75 x 150 ft., brick and steel, plain foundation, 43rd and Spruce Sts., by day labor. $400,000. Stetler & Deysher, Jefferson Bldg., archt.

Pa., Phila. — APARTMENT — Walnut Constr. Co., 48th and Walnut Sts., will build 4 story and basement, 130 x 200 ft., brick and steel, plain foundation, 48th and Locust Sts., by day labor. $800,000. Stetler & Deysher, Jefferson Bldg., archts. Noted Dec. 11.

Pa., Phila. — WAREHOUSE — Industrial Realty Corp., c/o Ballinger Co., archts., 12th and Chestnut Sts., 4 story and basement, 99 x 276 ft., rein.-con. and brick, plain foundation, Front and Venango Sts to Barclay White Co., 1713 Sansom St. Archts. est. $250,000.

Pa., Pittsburgh—DRUG HOUSE—W. J. Gilmore Drug Co., 430 7th St., general contract 6 story and basement, 100 x 160 ft. wholesale drug house, Blvd. of Allies, to W. T. Grange Constr. Co., Keinan Bldg. Archts. est. $300,000.

Pa., York—OFFICE and STORE—M. N. Harris, York, 5 story and basement, 40 x 150 ft., brick and steel, plain foundation, to S. F. Gladfelter, York. Archts. est. $175,000.

Ala., Huntsville — HOSPITAL — City, general contract 2 story, 150 x 200 ft. hospital, to A. Blair, 11 South Lawrence St., Montgomery, $121,276. Noted June 11.

O., Cleveland — APARTMENT — M. Narosny, 1083 Lakeview Rd., 3 story and basement, 41 x 225 ft., brick and timber, 1560 Ansel Rd., to S. Grafchick, 3418 East 142nd St. Archts. est. $250,000.

O., Cleveland — THEATRE — P. Gusdonovic, Film Exch. Bldg., 1 story and basement, 73 x 136 ft., brick, steel and concrete, Lorain Ave., to A. Krinsky, 9805 Adams Ave. Archts. est. $150,000.

Ill., Chicago — OFFICE, etc. — Riverside Plaza Corp., 19th floor London Guarantee & Accident Bldg., general contract Jewelers Building, 40 story, 140 x 160 ft., Indiana limestone, terra cotta and steel, caisson foundation, incl. garage with 572 automobile capacity, etc., to Starrett & Dikks, Burnham Bldg., on fee basis. Archts. est. $7,000,000.

Kan., Dodge City—HOSPITAL—Sisters of St. Joseph general contract 2 and 3 story, 46 x 144 ft., and 33 x 39 ft., rein.-con., brick and stone hospital, to Ellis & Singleton, Wichita, $126,500. Noted June 18.

Mo., St. Louis — APARTMENT — J. T. Craven, Century Bldg., 7 story and basement, 100 x 192 ft., rein.-con. and brick, 4535 Lindell Blvd., to Boaz-Kiel Constr. Co., Chouteau Trust Bldg., St. Louis. Engrs. est. $500,000.

Mo., St. Louis—STORE—Wrought Iron Range Co., 5661 Natural Bridge Ave., 2 story and basement, 137 x 376 ft., rein.-con. and brick, Washington Ave., to Murch Bros. Constr. Co., Railway Exch. Bldg., St. Louis. Archts. est. $150,000.

Tex., Hillsboro—HOTEL—T. A. Johnson, 4 story and part basement, 51 x 111 ft. hotel, and 1 story, 36 x 41 ft. apartment annex, rein.-con., brick and stone, to Walker Constr. Co., Builders Exch. Bldg., San Antonio, approximately $150,000. Noted June 18.

Tex., San Antonio — THEATER and OFFICE—D. and A. Oppenheimer, et al., general contract 8 story and basement, 90 x 120 ft., rein.-con., brick and stone, plain foundation, St. Marys and Commerce Sts., to L. T. Wright & Co., City Natl. Bank Bldg., $401,305; plumbing, heating, refrigerating and ventilating, to Jud & Ormand, 704 St. Marys St., $72,947; electrical work, to M. Wright, 246 Sandoval St., $45,674.

Wash., Seattle — APARTMENT — Union Impvt. Co., Leary Bldg., 3 story and basement, 100 x 100 ft., 606 East Union St., to J. A. Lorentz, 2018 Taylor Ave., $155,000.

Wash., Seattle — STORE — H. Bittman, archt., Securities Bldg., 2 story (ultimately 10 story), and basement, 108 x 120 ft., fireproof, terra cotta, 4th and Stewart Sts., to West Coast Constr. Co., Seaboard Bldg., for Tyee Investment Co., Securities Bldg. $158,000. Noted May 21.

Calif., Alameda—WAREHOUSE—Alaska Packers Assn., 11 California St., San Francisco, 1 story, concrete and corrugated iron, Encinal and Terminal Sts., to R. W. Littlefield, 354 Hobart St., Oakland, $71,320.

Calif., Los Angeles — APARTMENT — Seventh-Mariposa Impvt. Co., c/o L. A. Smith, archts., Lily-Fletcher Bldg., will build 4 story and basement, 50 x 160 ft., brick, 7th and Mariposa Ave., by day labor. $150,000.

Calif., Los Angeles — APARTMENT — Tifal & O'Conner (owners, engrs., archts. and contractors), 520 Chamber of Commerce Bldg., will build 11 story and basement, 91 x 136 ft., 5th and Normandie Sts. $1,200,000.

Calif., Los Angeles—GARAGE—C. C. Hazelton, 3 story, 80 x 196 ft. garage, Cahuenga Ave. near Hollywood Blvd., to Cantell & Spencer, 6406½ Sunset Blvd., approximately $150,000.

Calif., Los Angeles — HOTEL — W. H. Anderson, 17 story, 74 x 207 ft., rein.-con., 1st and Hill Sts., to Kinne & Westerhouse, 6533 Hollywood Blvd., $700,000.

Calif., Los Angeles—HOTEL, etc.—H. N. Dickerman, c/o Sedgley & Putnam, archts., 1547 North Western Ave., will build 4 story and basement, brick, Shatto Pl., by day labor. $150,000.

Calif., Los Angeles — HOTEL and STORE—A. F. Shaw, 1608 Wilcox Ave., 4 story and basement, 48 x 136 ft., rein.-con. Wilcox Ave., to F. R. Johnson, 1712 Micheltorena Ave., $155,320.

Calif., Los Angeles—HOTEL and STORE—Eighth-Rampart Holding Co., 4 story, 105 x 155 ft., brick and steel, 8th and Rampart Sts. to F. Rasche, 5652 Hollywood Blvd., $215,000.

Calif., Pasadena—APARTMENT—Union Constr. Co., (owners and contractors) Bartlett Bldg., Los Angeles, will build 4 story and basement, brick and concrete, Mentor St. and Colorado Blvd. $160,000.

Calif., San Francisco — CLUB — San Francisco Woman's Club, c/o Bliss & Faville, archts., Balboa Bldg., 12 story and basement, rein.-con. and steel club, incl. swimming pool, Mason and Sutter Sts., to R. McLeran & Co., Hearst Bldg., San Francisco, $1,250,000.

Calif., San Francisco—OFFICES—Hartford Fire Insurance Co., 438 California St. offices, etc., California near Stockton Sts. to Dinwiddie Constr. Co., Crocker Bldg., San Francisco. Engrs. est. to exceed $450,000.

Calif., Santa Monica — APARTMENT HOTEL — Shoreham Hotel Co., 124 San Vicente Blvd., general contract, 11 story and basement, 150 x 362 ft. 319 Ocean Ave., to Trewhitt Shields, 801 Edwards & Wildey Bldg., Los Angeles, $1,500,000. Noted Dec. 13, 1923.

Calif., Ventura—HOTEL—Berg Investment Co., 5 story and basement, 150 x 150 ft., steel and timber, to W. Bell, 845 East Washington St., Pasadena, $167,500. Noted May 21.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Arlington—CHURCH—St. John's Episcopal Parish, Academy and Maple Sts., plans 1 story and basement, Pleasant and Lombard Sts. $150,000 or more. Engineer and architect not selected.

Mass., Berkley (mail Taunton) — SCHOOL—Town, N. Strange, chn. Building Com., plans 2 story, brick school. $150,000. Engineer and architect not selected.

Mass., Boston — SCHOOL — Bd. Educ. having plans prepared by J. M. Gray, archt., 175 High St., and Walker, Walker & Kingsbury, associated archts., 120 Boylston St., 2 story, brick, West End Dist. $400,000 appropriated.

Mass., Fall River—SCHOOL—Bd. Aldermen plans new Junior High School, 2 story, Watuppa Reservation and Ledge St. To exceed $150,000. Engineer and architect not selected.

R. I., Cranston—HIGH SCHOOL—City, School Building Com., having plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, 2 story and basement, brick school. To exceed $150,000.

Conn., Westport—SCHOOL—Town soon takes bids 2 story and basement, brick and steel school. $200,000. W. B. Tubby, 81 Fulton St., New York City, N. Y., archt.

N. J., Phillipsburg—HIGH SCHOOL—Bd. Educ. plans new high school. $470,000. Engineer and architect not selected.

Pa., Carrick (Pittsburgh, P. O.) — SCHOOL — St. Georges Roman Catholic Congregation, 825 Climax St., having plans prepared by C. G. Strong, Keystone Bldg., Pittsburgh, 3 story and basement, 107 x 124 ft., brick and steel, Climax St. $150,000.

Pa., Phila.—CHURCH—First Christian Church, 10th St. and Roosevelt Blvd., plans church. R. B. Bencker, Bellevue Court Bldg., archt.

Pa., Pittsburgh — ACADEMY—Academy of Our Lady of Mercy, 3333 5th Ave., having plans prepared by C. G. Strong, Keystone Bldg., 2 and 3 story and basement, brick and steel, 5th Ave. $500,000.

Pa., Pittsburgh—HIGH SCHOOLS—Bd. Educ., Fulton Bldg., having plans prepared by R. M. Trimble, Ferguson Bldg., and soon takes bids junior section, Taylor Alderdice Senior and Junior High School, 2 and 3 story and basement, Shady, Forward, Tilbury and Nicholson Sts. $2,404,750.

O., Ashtabula — SCHOOL — Bd. Educ. having plans prepared by F. C. Warner & W. R. McCornack, Bulkley Bldg., Cleveland, 2 story and basement, brick, steel and concrete school. $350,000.

O., Dayton — SCHOOL — St. Marys Church, B. J. Beckmeyer, pastor, 310 Allen St., having plans prepared by H. Germann, Schwind Bldg., 2 story, rein.-con. and brick, plain foundation, Allen St. $225,000.

O., Kent—LIBRARY—Kent State Normal College, plans library. $250,000. Ronan & Ingleson, Columbus, archts.

Ill., Chicago—SCHOOLS—Bd. Educ., 646 South Clark St., takes bids in August, 4 elementary schools, 864 seating capacity each, 1 at Wellington Ave. and School St., 1 at 101st and Leavitt Sts., 1 at Carmen Ave. and Argyle St. and other at 57th St. and Hamlin Ave., $500,000 each; Emil G. Hirsch Junior High School, 1,800 seating capacity, 77th St. and Ingleside Ave., $1,000,000; Thomas Kelley Junior High School, 2,200 seating capacity, 42nd St. and California Ave., $1,000,000., Roosevelt Junior and Senior High School, 4,500 seating capacity, Wilson and Kimball Sts., $3,000,000.

BIDS DESIRED

Mass., Braintree (Ind. br. Boston) — SCHOOL—Town, H. B. Higgins, chn. School Bd., taking bids 2 story and basement, brick and stone, plain foundation, Pond St. $150,000. Shepard & Stearns, 65 Franklin St., Boston, archts.

Mass., Hathorne—SCHOOL—July 28, by Trustees Essex Co. Agricultural School, at office commissioners, Court House, Salem, 2 story and basement, 56 x 72 ft. with 43 x 43 ft., with ell brick and stone school, here. $150,000. Sanborn & Weed, 38 Exchange St., Lynn, archts.

Mass., Lawrence — SCHOOL — Sacred Heart Roman Catholic Church A. Millet, pastor, taking bids 3 story and basement, 65 x 75 ft., brick and steel, Hawley St., $150,000. J. G. Morissetto, 575 A Essex St., archt. Noted May 28.

Mass., Swampscott — SCHOOL — School Bd., taking bids 2 story and basement, brick and limestone addition to Hadley School, Reddington St. $150,000. Peare & Quiner, 6 Beacon St., Boston, archts. Noted Mar. 5.

Conn., Danbury—HIGH SCHOOL—July 20, by City, W. H. Cable, com. head, 3 story and basement, 40 room high school, brick and steel. $400,000. Sunderland & Watson, 248 Main St., archts. Noted May 28.

Conn., Deep River — CHURCH — Deep River Baptist Church taking bids 1 story and basement, brick and stone church. $150,000. W. H. McLean, 88 Tremont St., Boston, Mass., archt. Noted June 4.

N. Y., Buffalo—SCHOOL—July 22, by Bd. Managers City Hospital, 462 Grider St., 3 story, 90 x 125 ft. rein.-con. and

Buildings—Educational, Religious (Cont.)

brick, Grider St. To exceed $150,000. W. A. Kidd, 524 Franklin St., archt.

N. J., New Brunswick—RECITATION—July 27, by Bd. Institutions & Agencies, Trenton, 2 story and basement, 70 x 115 ft., concrete and brick recitation building, at State Agricultural College, here. $250,000. A. B. Mills, State Office Bldg., Trenton, archt.

Pa., Erie—HIGH SCHOOL—July 21, by Bd. Educ., R. S. Scobell, bus. mgr., 2 story and basement, 188 x 279 ft., brick, steel and concrete addition to Wilson Junior High School. $400,000. W. W. Meyers, Erie, archt. Mayer & Valentine, Plymouth Bldg., Cleveland, O., consult. engrs. Noted Mar. 5.

Pa., Tacony (Sta. Phila.) — SUNDAY SCHOOL—July 20, by S. Milner, archt., 1117 Foulkrod St., Phila., 2 story and basement, 51 x 221 ft., stone, plain foundation, Tyson and Glenlock Sts., here, for Disston Memorial Church. $175,000.

Fla., Clearwater—HIGH SCHOOL—July 29, by Pinellas Co. Bd. Pub. Instruction, 3 story, rein.-con., brick and stone high school. $750,000. W. B. Ittner, 911 Locust St., St. Louis, Mo. and M. L. Elliott, Citizens Bank Bldg., Tampa, archts.

Calif., La Verne—ADMINISTRATION—La Verne College taking bids 2 story and basement, 132 x 166 ft. concrete administration building. $150,000. R. C. Loring, 717 East Colorado St., Pasadena, archt.

Calif., Los Angeles — CHURCH — Thirteenth Church of Christ Scientist, taking bids 1 story, 150 x 150 ft., rein.-con. and stone, Edgemont Blvd. near Hollywood Blvd. $300,00. Allison & Allison, 1405 Hibernian Bldg., archts.

BIDS RECEIVED

Ill., Princeton—HIGH SCHOOL—D. E. Pamp, secy. Twp. High School Bd., June 26, general contract 3 story, 70 x 320 ft., rein.-con., brick and stone high school, from A. Swack, Dubuque, Ia., $233,000; heating and ventilating apparatus, from Albretch Bros., Princeton, $38,450. Noted June 18.

Calif., Hayward—HIGH SCHOOL—Hayward Union High School Dist., general contract 2 story, rein.-con., from J. E. Branagh, 184 Perry St., Oakland, $199,450. Noted June 18.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. Mission High School, general contract from MacDonald & Kahn, 130 Montgomery St., San Francisco, $807,340, electrical work from Crown Electric Co., 153 Eddy St., San Francisco, $49,990; plumbing, gas fittings and sprinkler system from Burnham Plumbing Co., 1220 Webster St., San Francisco, $46,317; mechanical equipment, from Latourrette-Fiscal Co., 2612 9th St., Berkeley, $67,596.

CONTRACTS AWARDED

Vt., Burlington—HIGH SCHOOL—City, W. Fenton, chn. School Building Com., 3 story, and basement, 90 x 120 ft., and 60 x 120 ft., brick and stone, Main and Union Sts., to Keislich Constr. Co., 176 College St. Noted June 4.

Vt., Windsor—SCHOOL—School Building Com., 1 story and basement, 80 x 105 ft., brick and limestone, plain foundation, to Louks & Clarke Co., 6 Ernest St., Wallingford, Conn. Archts. est. $150,000.

Mass., Chelmsford — SCHOOL — School Bd., 2 story and basement, brick and stone, to Edwards & Monahan, 216 Central St., Lowell. Archts. est. $150,000. Noted Apr. 9.

Mass., Leominster—CHURCH—St. Marys Polish Church, 1 story and basement, brick and stone, to M. J. Walsh & Sons, Holyoke. Archts. est. $150,000.

Mass., Lynn—CHURCH—Church of Incarnation, Broad St., 1 story and basement, brick and stone, plain foundation, to Campbell Bros., 99 Sagamore St. Archts. est. $150,000. Noted June 4.

Mass., Worcester — CHURCH — Wesley Methodist Church, W. S. Mitchell, pastor, 1 story and basement, 164 x 172 ft., brick and granite, Main and Church Sts., to E. F. Miner Building Co., 25 Foster St. Archts. est. $200,000. Noted May 28.

Mass., Worcester—SCHOOL—Pub. Building Dept., 2 story and basement, brick and steel addition, plain foundation, Elizabeth St., to J. J. Power, 15 Ashland St. Archts. est. $150,000. Noted June 22.

Conn., North Mianus (mail Cos Cob)—SCHOOL—Bd. Educ. 2 story and basement, 62 x 200 ft., brick and stone school building, to Clark Constr. Co., 168 Grand Ave., Waterbury, Conn. Noted July 2.

Conn., Wallingford—LIBRARY—Choate School, G. C. St. John, master, will build 3 story and basement, 45 x 140 ft., brick, steel and stone library, by day labor. $350,000. E. P. Mellon, Pittsburgh, Pa., archt. Noted Feb. 5.

N. Y., Baldwin—HIGH SCHOOL—Bd. Educ., 2 and 3 story, 200 x 250 ft., brick and steel, Pershing Blvd. and Haig Ave., to Kirwin Esterbrook Constr. Co., 245 Fulton St., Hempstead. Archts. est. $500,000.

N. Y., Brooklyn—SCHOOL—St. Joseph Roman Catholic Church, 856 Pacific St., general contract 3 story, 64 x 169 ft., brick, 679 Dean St., to G. Driscoll, 550 Union St. Archts. est. $250,000.

N. Y., Rosedale (mail Jamaica) — SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 38, 241st St., here, to Eastern Constr. Co., 110 West 40th St., New York City, $280,280; heating, to Heat Control Service Co., 759 Park Pl., Brooklyn, $38,416. Noted July 9.

N. J., Audubon—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement, 54 x 258 ft., and 92 x 111 ft., brick and steel, plain foundation, to G. H. Evans, 105 North 13th St., Phila., Pa., $319,125; heating, to H. Knecht, West Collingwood, $37,662. Noted June 18.

N. J., New Brunswick—CHAPEL—New Jersey College for Women, Elizabeth Voorhees Memorial Chapel, 2 story, 60 x 146 ft., brick and steel, to Highland Park Building Co., Highland Park, $250,000.

Pa., Elwood City—HIGH SCHOOL—Bd. Educ., general contract 3 story and basement, 232 x 253 ft. high school, to Gilpatrick Dawson Co., Empire Bldg., Pittsburgh, $335,675. Noted June 4.

Pa., Lancaster—AUDITORIUM—Day & Klauder, archts., 1416 Chestnut St., 1 story, gallery and basement, 51 x 147 ft., brick and stone, plain foundation, on campus, here, to H. Wohlsen, Woolworth Bldg., for Franklin Marshall College. Archts. est. $200,000. Noted June 25.

Pa., Phila.—LABORATORY, etc.—Wm. Penn Charter School, A. Scattergood, 409 Chestnut St., general contract 2 story and basement, 135 x 529 ft., stone laboratory and swimming pool, plain foundation, School, Lane and Fox Sts., to H. H. Conway, 5800 Walnut St.

Pa., Phila.—SCHOOL—Bd. Educ., general contract 3 story and basement, 72 x 158 ft., rein.-con. and brick, plain foundation, 17th and Christian Sts., to McCloskey Co., Inc., 1620 West Thompson Ave., $284,284; heating, to McClintock & Co., 5608 Race St., $28,990. Noted July 2.

Pa., Phila.—SCHOOL—School Dist., 19th above Chestnut St., general contract 3 story and basement, 72 x 150 ft., 8th and Parrish Sts., to McCloskey & Co., Inc., 1620 West Thompson St., $284,284; heating, to McClintock & Co., 5608 Race St., $28,995.

Pa., Pittsburgh—CHURCH—St. Boniface Roman Catholic Congregation, Royal St., plans 1 story and basement, East St., to Duquesne Constr. Co., Cypress and Aspen Sts. Archts. est. $225,000.

Md., Baltimore—SCHOOL—Notre Dame School, Ashland Ave. and Aisquith St., 5 story and basement, 92 x 137 ft., brick and steel, plain foundation, to A. Kaiser, 1036 Ensor St., $160,000. Noted July 9.

Ind., Indianapolis — CHURCH — Irvington Methodist Episcopal Church. 31 Layman Ave., will build 2 story and basement, brick and stone, Audubon Rd., by day labor. W. H. Moore, 412 West 38th St., supt. construction. H. Foltz, J. F. Wild Bldg., archt.

Ill., Harvey—HIGH SCHOOL—Bd. Educ., Thornton Twp., 2 story, 190 x 200 ft., rein.-con., brick and stone high school, to T. B. Hobson & Sons, Harvey. Archts. est. $350,000. Noted Apr. 30.

Wis., Eau Claire—HIGH SCHOOL—Bd. Educ., E. Schroeder, secy., general contract 3 story and basement, 208 x 240 ft., brick, tile and concrete, plain foundation, to Schafer & Olson, 222 Bay St., Chippewa Falls, $324,053; plumbing and heating, to P. J. Gallagher, Fairbault, Minn., $78,100; electrical work, to Universal Battery & Electric Station, 312 3rd Ave. S., Minneapolis, Minn., $27,887. Noted June 18.

Minn., Minneapolis—SYNAGOGUE—Beth El Congregation, B. Licht, chn. building comn., 1003 Sheridan Ave. N., general contract 2 story and basement, 73 x 97 ft., rein.-con., brick and stone, Penn and 14th Aves. N., to Madsen & Peterson, 646 Builders Exch. Archts. est. $175,000.

Okla., Tulsa — HIGH SCHOOL — Bd. Educ., Woodrow Wilson Junior High School, 2 story and basement, 128 x 282 ft., rein.-con., brick and stone, to R. M. Gillian, New Daniels Bldg., $209,467. Former contract rescinded. Noted July 2.

Calif., Los Angeles — HIGH SCHOOL — City, Edison Junior High School, 2 story main building, 1 story manual arts building, both brick, to Mathis Constr. Co., 337 West Avenue 26, $303,000; also Mt. Vernon Junior High School, 3 buildings, to Weymouth Crowell Co., 2104 East 15th St., Los Angeles, $280,000. Noted July 2 and 9.

Calif., Wilmington — HIGH SCHOOL — Los Angeles Bd. Educ., two 1 story buildings, here, to K. R. Bradley Constr. Co., 1925 East 16th St., Los Angeles, $274,701. Noted Apr. 30.

Federal Government Work

PROPOSED WORK

Va., Norfolk—Water Mains—Spec. 5126—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon takes bids water mains at Navy Yard, here.

BIDS DESIRED

Mass., Boston—Water Piping—Aug. 4, by Treas. Dept. at office Supervising Archt., Wash., D. C., removing present water piping and installing new in U. S. Appraisers Store, here; adv. E. N.-R. July 16.

Conn., New Haven—Dredging—July 31, by U. S. Engineer Office, Providence, R. I., dredging 480,000 cu.yd. in harbor here.

N. Y., Ithaca—Post Office—July 31, by Treas. Dept. at office Supervising Archt., Wash., D. C., addition to post office, here.

Pa., Phila.—Stone—Aug. 3, by U. S. Engineer Office, furnishing and placing stone in ice piers at Harbor of Refuge, Del.

Pa., Phila.—Welfare—Spec. WB—Aug. 5, at Pub. Wks. Office, Navy Yard, welfare building; adv. E. N.-R. July 16.

Md., Baltimore—Fire Protection—July 29, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending fire protection, etc., at Marine Hospital, here; adv. E. N.-R. July 16.

D. C., Wash.—Pipe Line—July 31, by U. S. Engineer Office, Land Office, 2nd and 3rd high pipe line, Conduit Rd. and Maryland line.

D. C., Wash.—Water Pipe—July 20, by General Purch. Officer, Panama Canal, Wash., D. C., c.i. water pipe.

Ala., Florence—Metal Doors—Aug. 3, by U. S. Engineer Office, metal doors in oil circuit breaker building at Wilson Dam; adv. E. N.-R. July 16.

Ky., Lexington—Remodeling—Aug. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling parcel post lift at post office, here; adv. E. N.-R. July 16.

Mo., Kansas City—Current Retards—July 23, by U. S. Engineer Office War Dept., Wash., D. C., 600 lin.ft. current retards in Missouri River, West of Creve Coeur Lake.

Ariz., Yuma—Power Plant—Aug. 20, by Bureau Reclamation, siphon drop power plant, Yuma Project, Ariz.-Calif. P. W. Dent, acting comr.; adv. E. N.-R. July 16.

Calif., San Diego—Barge, etc.—Spec. 5108—July 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., pile driver barge and sandpump equipment, here.

Calif., San Francisco—Dredging—July 29, by U. S. Engineer Office, dredging 65,000 cu.yd. in Petaluma Creek.

BIDS RECEIVED

R. I., Providence—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office and courthouse, etc., here, from Regan Constr. Co., 2 East Lexington Ave., Baltimore, Md., $4,560. Noted June 4.

N. Y., Walden—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story brick post office, from King Lumber Co., Charlottesville, $42,400.

Pa., Franklin—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, post office, here, from A. M. Lundberg, Times Bldg., St. Louis, Mo., $72,900. Noted June 11.

Mich., Saginaw — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and extending post office, here, from Spence Bros., Saginaw, $15,789. Noted June 11.

Wis., Manitowoc — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging post office, here, from J. Lauritzen, Fergus Falls, Minn., $15,099. Noted June 18.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 9 Main St., San Francisco, grading 14.67 mi. Swartout Natl. Forest Highway, Los Angeles and San Bernardino Counties, from Crook & Henno, 434 Angelus Hotel, Los Angeles, $94,300. Noted June 25.

H. T., Pearl Harbor—Accessories House—Spec. 5097—Bureau Yards & Docks, Navy Dept., Wash., D. C., accessories house, here, from Walker & Olund, Honolulu, (1) $20,276 (2) $2,140 (3) $27 (4) $2 (5) $2. Noted May 14.

CONTRACTS AWARDED

Mass., Nantucket—Jetty—U. S. Engineer Office, Providence, R. I., repairing east jetty entrance to Nantucket Harbor, here, to Bay State Dredging & Constr. Co., 62 Candor St. E., Boston, $48,410. Noted June 4.

N. Y., New York—Pier—Treas. Dept. at office Supervising Archt. Wash., D. C., new pier at quarantine station, here, to Rhodes & Manvel Inc., 90 West St., $37,000.

Federal Government Work (Continued)

Pa., Phila.—Dredging—Spec. 5120—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Navy Yard, to Amer. Dredging Co., 308 Chestnut St., $150,000. Noted June 18.

Pa., Phila.—Paving—Spec. 5109—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at Naval Home, here, to Curtis Bros., State Rd. and Unruh St., Tacony, (Phila. P. O.) $6,074 (45 days). Noted June 25.

S. C., Parris Island—Power Plant Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant equipment at marine barracks, here, to Elliott Co., Jeannette, $25,375 (150 days). Noted June 25.

Ala., Montgomery—Barge—U. S. Engineers Office, War Dept., 80 ft. steel barge, to Midland Barge Co., Midland, Pa. $12,480. Noted May 21.

La., New Orleans—Levee Work—U. S. Engineer Office War Dept., Wash., D. C., levee work in Upper Tensas Levee Dist., to J. W. Noble, Fayette, Miss., $114,408.

Tenn., Memphis—Levee Work—U. S. Engineer Office, War Dept., Wash., D. C., levee work in Lower St. Francis Dist., to W. H. Denison, Cushman, Ark., $10,080.

Ill., Great Lakes—Stokers—Spec. 5031—Bureau Yards & Docks, Navy Dept., Wash., D. C., mechanical stokers, here, to Harman Eng. Co., 844 North Rust St., Chicago, $26,620. Noted July 9.

N. D., Devils Lake—Water and Sewerage Systems—H. Sorenson, major U. S. Property & Disbursing officer, Camp Grafton, water and sewerage systems, to Geraghty & Casper, Devils Lake, $16,404.

Mo., St. Louis—Towboat—U. S. Engineer Office, War Dept., Wash., D. C., 100 ft. steel hull Diesel engine electric towboat, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $124,000. Noted June 11.

Colorado — Roads — Bureau Pub. Rds., Custom House, Denver, grading 4.36 mi. Tennessee Pass Rd., to San Luis Valley Constr. Co., Sanford, $42,849; 4.97 mi. Forest Pass Rd., to Stamey-Mackey Constr. Co., Colorado Springs, $59,674. Noted Mar. 26.

New Mexico—Road—E. S. Wheeler, dist. engr. Bureau Pub. Rds., 242 West Washington St., Phoenix, Ariz., 5.293 mi. Saliz Canyon-San Francisco River Sect. Datil-Reserve-Dry Creek Natl. Forest Rd. Catron Co., to J. Mulligan, El Paso, Tex., $99,757. Noted June 11.

Arizona—Road—E. S. Wheeler, dist. engr. Bureau Pub. Rds., 242 West Washington St., Phoenix, improving Flagstaff-Angel Rd., Coconino Co., to Downer & Merco, Richmond, Calif., $321,871. Noted June 25.

Wash., Keyport—Power Plant—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending power plant, at Pacific Coast Torpedo Sta., to J. Galber, Mutual Life Bldg., Seattle, $6,648.

Calif., Point St. George—Garage—Spec. 5037—Pub. Wks. Office, Navy Yard, Mare Island, garage at radio station, here, to Webber Constr. Co., Crescent City, $11,093 (80 days). Noted Mar. 26.

Calif., San Francisco—Stone—U. S. Engineer Office, Custom House, stone for south jetty in Humboldt Bay, to A. D. Kern, Trinidad, $76,300. Noted May 28.

Unclassified

PROPOSED WORK

Playground — Fall River, Mass. — City, Park Comrs., plans constructing land bordering Globe Pond into public park and playground. $25,000 or more. Engineer not selected.

Swimming Pool—Fitchburg, Mass.—Dept. Pub. Wks. plans probably concrete swimming pool, Intervale Rd. H. G. Moore, city clk.

Park Improvements—Atlanta, Ga.—Ben Padgett Co., 50 Marietta St., plans developing 400 acres for amusement park, incl. swimming pools, dance pavilions, electric lights, roads, etc.

Parks, etc.—West Palm Beach, Fla.—Election July 14, $660,000 bonds for parks and playgrounds improvements; $350,000 bond fire and police equipment and new central station; and $220,000 bonds for seawall.

Gas Mains—Knoxville, Tenn.—Knoxville Gas Co., 715 South Gay St., plans extending gas mains in suburban districts. $25,000.

Swimming Pool — Memphis, Tenn. — See "Buildings—Commercial."

Race Track — Springfield, Ill. — State Building Comn., Springfield, appropriated $50,000, new race track at State Fair Grounds. Engineer not selected.

Tunnel—Minnesota—Superior Tunnel Co. organized in Minnesota, petitioned for permit to construct tunnel, 30 ft. diam., under St. Louis Bay, to connect Duluth and Superior. $4,000,000. H. H. Mitchell, c/o Commissioner Pub. Wks., Duluth, consult. engr.

Playground — Boonville, Mo. — Defeated $25,000 bonds for playgrounds.

Swimming Pool, etc.—Chaffee, Mo.—G. Huff plans 50 x 100 ft. swimming pool, 30 x 50 ft. wading pool, playground, athletic field, etc. $35,000-$50,000. F. R. Nohl, c/o owner, archt. and engr.

Stadium—Abilene, Tex.—Abilene Eagle Co. plans sport stadium, etc. $200,000. Engineer not selected.

Bulkhead and Dock — Orange, Tex. — Orange Ice, Light & Water Co. making plans 700 ft. bulkhead and dock, 50 ft. steel sheet piling, 60 ft. creosoted piling, creosoted timber and backfill. $25,000. Engineering Service Corp., 905 Keystone Bldg., Houston, engrs.

Gas Pipe Line—Oklahoma—Oklahoma Natural Gas Co., 1 East 36th St., Oklahoma City, making preliminary plans 65 mi. new 16 in. gas pipe line from Tulsa to Kelleyville and from Depew to Papoose oil field. $600,000. C. H. Crutcher, Tulsa, engr.

Elimination of Grade Crossings — San Francisco, Calif.—City and San Francisco Co. plan subway or overhead crossing at Junipero Serra Blvd. and Worcester St. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Ice Skating Arena — San Francisco, Calif.—Glacier Palace Corp. of California, 227 Pacific Bldg., C. E. Hopkins, pres., having plans prepared by T. H. Eslick, Santa Monica, 185 x 275 ft. ice skating rink here. $150,000.

Ice Arena—Toronto, Ont.—University of Toronto, Queens Park, making plans and soon takes bids artificial ice arena, concrete, brick and steel. $150,000. Harkness, Loudon & Hertzberg, Confederation Life Bldg., engrs. Darling & Pearson, Leader Lane, associated archts.

BIDS DESIRED

Gallow Frames—Brooklyn, N. Y.—July 22, by W. W. Mills, comr. Plants & Structures, Municipal Bldg., New York City, gallows frames and operating equipment for Rockaway Inlet ferry.

Subway—New York, N. Y.—July 24, by Bd. Transportation, 49 Lafayette St., laying tracks, etc. for Westchester Ave. Yard, also alterations to structure, Route 5, Sect. 8, Agreement "DY."

Subway—Phila., Pa.—Aug. 18, by H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., subway in Broad St. North of Courtland St., Contr. 107 A, and in Broad St. north Chew Ave. Contr. 107 B; adv. E. N.-R. July 16.

Wharf—Pointe-Au-Pere, Que.—July 22, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., improving wharf here. $25,000.

BIDS RECEIVED

Beach—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., July 9, constructing beach along ocean front, Beach 58th St., from W. H. Geoghegan Realty Co., Inc., 147 Remsen St., Brooklyn, $1,269,391.

Lighting System — San Diego, Calif. — Common Council ornamental lighting system on India, B Sts., etc., from Globe Electric Co., 300 6th St., San Diego, $43,317.

CONTRACTS AWARDED

Pier Repairs—Boston, Mass.—Dept. Pub. Wks. (Ferry Service), repairing piers at South Ferry, to Rendle Corp. 271 Marginal St., East Boston, $42,360. Noted June 25.

Pier and Bulkhead—New York, N. Y.—M. Cosgrove, comr. Docks, Pier A, Battery Pl., North River, building Pier 35, East River, between Rutgers Slip and Clinton St., Contr. 1848, to H. Steers Inc., 17 Battery Pl., $186,058. Noted July 9.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Sect. 4, Route 78, along and under St. Nicholas Ave. from West 33rd to 141st Sts., to G. J. Atwell Co., $3,374,000; special work Order 29, for Westchester Ave. Yard approach, to W. Wharton, Jr., Inc., 30 Church St., $13,774; Sects. 6, Route 78, under St. Nicholas Ave. and Bway. to Rodgers & Haggerty, Grand Central Terminal, $7,300,000, alterations to structures, to Guidone & Bottino, $81,305. Noted July 2 and 9.

Swimming Pool — Phila., Pa. — See "Buildings—Educational, Religious."

Gas Mains—Columbus, Miss.—Mississippi Power & Light Co., approximately 1.5 mi. new 4 in. gas mains and replacing about 1.5 mi. old mains with lateral connections, etc., in various streets, to Russell Eng. Co., Columbus. Engrs. est. $30,000.

Steel — Gulfport, Miss. — Woods Bros. Constr. Co., Lincoln, Neb., 3,500 tons reinforcing for 14 mi. sea wall in points least protected between Gulfport, Pass Christian and Biloxi, here, to Kansas City Bolt & Nut Co., Sheffield (mail Kansas City), Mo. Noted June 18.

Golf Course—Burlington, Wis.—Browns Lake Golf Assn., J. Prasch, pres., will construct golf course, by day labor. $65,000. Private plans.

Dock and Ice House—Omaha, Neb.—Pacific Fruit Express Co., 1416 Dodge St., will build 1 story and basement, 12 x 22 x 880 ft., concrete loading dock and ice house, by day labor. $25,000. Private plans.

Grain Elevator—Houston, Tex.—J. S. Metcalf Co., engrs., 608 South La Salle St., Chicago, Ill., 62 x 142 ft. rein.-con. grain elevator, 194 ft. high, 1,200,000 capacity, with 56 rein.-con. bins 17 ft. diam., 99 ft. high, to Fegles Constr. Co., 706 1st Ave. N., Minneapolis, Minn., for Turning Basin Dist. Navigation Dist., c/o H. L. Washburn, aud. Houston Co. $1,030,000. Noted July 9.

Stadium—Norman, Okla.—University of Oklahoma (1st unit), of stadium, 105 x 400 ft., brick, steel and stone, 15,000 seating capacity, to Campbell & Price, 603½ West Main St., Oklahoma City. Engrs. est. $100,000. Noted May 14.

Lighting System—Los Angeles, Calif.—Ornamental street lighting system on 9th St. between Figueroa and Vermont Aves., to R. A. Wattson, 1026 McCadden Pl., Los Angeles, $54,928. Noted July 9.

Oil Reservoirs—Martinez, Calif.—Shell Co. of California, 200 Busch St., San Francisco, two concrete lined oil reservoirs, 5,000 cu. yd. concrete 12,000 cu.yd. stripping, 100,000 cu. yd. excav. and 800,000 ft. lumber, to Bent Bros. Co., 418 South Pecan St., Los Angeles, approximately $400,000.

Swimming Pool—San Francisco, Calif.—See "Buildings—Commercial."

Transmission Lines, etc.—Cochrane, Ont.—See "Buildings-Industrial."

Materials

BIDS DESIRED

Road Oil—Galesburg, Ill.—July 20, by H. M. Roy, supt. Highways and S. A. Road Comn., Court House, 600,000 gal. road oil on 260 mi. various roads, for Knox Co. $36,000.

Light Posts, Cables, etc.—Batesville, Ark.—City in market for 74 new electric light posts, cables, etc. for "White Way" lighting system. $12,500 funds voted. E. H. Glenn, Batesville, engr.

Track Switches, etc. — San Francisco, Calif.—City and San Francisco Co. in market new track switches, frogs, and switchbacks, on municipal railway system. $50,000. M. M. O'Shaughnessy, city engr.

Ties—Montreal, Que.—Aug. 3, by W. H. Grant, genl. tie agt. Canadian Natl. R.R., 230 St. James St., hardwood ties.

Rails—Melbourne, Australia—Aug. 26, by Secretary Victorian Government Ry. Dept., 350 tons tramway rails and 10 to 15 tons fish plates.

Steel Sheets—Melbourne, Australia—Aug. 12, by Secretary Victorian Government Ry. Dept., 170 mild steel sheets various sizes, and 11.35 cwt. mild steel hoops.

CONTRACTS AWARDED

Iron Castings—Boston, Mass.—Supply Dept., 250,000 lbs. iron castings, for Pub. Wks. Dept. (Water Service), to Foran Fdry. & Mfg. Co., Flemington, N. J., $0.0523 per lb.

Paving Blocks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 15,000 granite blocks to Highway Dept., to Terminal Supply Co., 350 Madison Ave., New York City, $2,168. Noted June 18.

Inorganic Dust—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., 3,000 tons inorganic dust to New York Trap Rock Co., 101 Park Ave., $15,960; 3,000 cu.yd. concrete paving sand, to Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $4,400; 8,000 cu.yd. ¾ in. binder stone, to Calvin Tompkins Co., 30 Church St., $14,640; 600,000 gal. asphaltic cement, to Standard Oil Co., 26 Bway., $43,200; 20,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., Brooklyn, $20,600. Grand total $98,800. Noted June 18.

Road Oil, etc. — Galesburg, Ill. — Galesburg Twp. 50,000 gal. Illinois Spec. E-3 road oil, f.o.b. Galesburg, to Cabell Petroleum Co., Arcade Bldg., St. Louis, Mo., $0.0518 per gal. Noted June 18.

OFFICIAL PROPOSALS

Bids: August 3.

Road Work

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION
Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for:

ENTRANCE ROAD, SECTION NO. 1

Construction of the Delaware River Bridge Entrance Road, Section No. 1, from 11th Street to Cooper River in the City of Camden, including the elevation of Federal Street, by means of a concrete viaduct about 896 feet long, founded on concrete piles; and the construction of a temporary detour road. The estimated quantity of work will include 23,491 sq.yds. of reinforced concrete pavement; 4,607 sq.yds. of recut granite block pavement; 195 tons structural steel; 135 tons reinforcing steel; 2,500 cu.yds. excavation; 13,750 lin.ft. concrete piles; 4,500 cu.yds. structural concrete.

Bids for the above will be received at the office of the State Highway Commission, 9th floor Broad St. Bank Building, Trenton, New Jersey, on Monday, August 3rd, 1925, at eleven o'clock (11.00 a.m.), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10) upon application to the State Highway Department, Room 901, Broad St. Bank Building, Trenton, N. J., or upon application to Mr. H. W. Giffin, Division Engineer, 8th and Market Streets, Camden, N. J. Bids must be made on the standard proposal forms in the manner designated in the 1924 specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name and section of route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER,
Secretary.

Bids: July 25.

Rock-fill Dam

Pulaski, Va.

Sealed proposals will be received and publicly opened at 12 o'clock noon July 25, 1925, at the office of the Mayor, Pulaski, Virinia, gfor the construction of a Rock-fill Dam and Appurtenances. The following approximate quantities are involved: General excavation, 2,400 cubic yards; Rock-fill, 18,800 cubic yards; Class "A" Concrete, 280 cubic yards; Class "B" Concrete, 680 cubic yards; Reinforcing Steel 24,000 pounds; Piping, Valves, Specials and Appurtenances 35,000 pounds. Pipe, Valves, Specials and Appurtenances will be furnished by the Town f.o.b. cars Pulaski, Virginia.

Plans and specifications are on file at the office of the Mayor, Pulaski, Virginia and at the office of S. B. Williamson, Consulting Engineer, National Bank Building, Charlottesville, Virginia. Plans and Specifications may be obtained from S. B. Williamson upon deposit of $15.00. The Engineer will be at the site of the work on July 17th and 24th.

The Mayor and Council of the Town of Pulaski reserve the right to reject any or all bids.

E. W. CALFEE,
Mayor.

S. B. WILLIAMSON,
Consulting Engineer.

OFFICIAL PROPOSALS

OFFICIAL PROPOSALS

Bids: July 23.

Road Work

VIRGINIA STATE HIGHWAY COMMISSION

Richmond, Va., July 3, 1925.

Sealed bids will be received at the Office of the State Highway Commission, State Office Bldg., Capitol Square, Richmond, Va., until 10:00 A.M., Thursday, July 23d, 1925, for construction of:

Route number	35	36	32	11
Project number	F-145E	F-167E	F-187	F-344C
County	Pr. George	Clarke	Pr. Edward & Charlotte	Wise
Length in miles	2.958	2.30	4.810	1.505
Type	Concrete	Bit. Mac.	Soil	Bit. Mac.
	10 A.M. July 15th	10 A.M. July 17th	10:30 A.M. July 15th	12 Noon July 15th
Contractors will be shown over the work	Petersburg Hotel, in Petersburg	N. & W. Sta. Boyce, Va.	Highway Office, Farmville, Va.	Hartsock Hotel in Coeburn
ITEMS & APPROX. UNIT QUANTITIES				
Acres, clear. and grubbing	3.75	1.70	12.52	0.84
Cu.yd. excavation	10,155	21,789	34,067	51,106
Cu.yd. borrow excavation	5,867	1,768	.....	.....
Cu.yd. "A" concrete	17.30	64.72	56.86	232.64
Cu.yd. "B" concrete	14.60	156.12	211.72	20.28
Lin.ft. pipe	330	495	902.5	490
Lin.ft. gd. rail	800	1,912	2,183	3,360
Right of way monuments	22	50	54	38
Lb. reinforcing steel	1,117	6,600	4,563	21,763
Sq.yd. concrete pavement	31,255	.....	.....	.....
Sq.yd. Bit. macadam	.....	24,520	.....	16,134
Cu.yd. topsoil	.....	.....	11,495.9	.....
BRIDGES OVER 20 FT. SPAN				
Cu.yd. "A" concrete	46.8	.....	65.4	.....
Cu.yd. "B" concrete	138.6	.....	211.8	.....
Lin.ft. piles	1,280	.....	1,800	.....
Lbs. reinforcing steel	8,380	.....	13,520	.....
Local District Offices	Richmond	Staunton	Lynchbg.	Bristol
Shipping Pt.	Petersbg	Boyce	Farmville	Coeburn
R. R.	N. & W.	N. & W.	N. & W.	N. & W.

Proposal guaranty to be certified check to the amount of $1,000.00. Plans and specifications are on file at Richmond Office, Richmond, Va., and at the local District Offices. Road plans for bidders may be obtained from Richmond Office upon receipt of $5.00 payable to H. G. Shirley, $2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened. The State Highway Commission reserves the right to reject any or all bids.

Bids: July 27.

Willard Avenue Sewer

CONTRACT NO. 4
SANITARY DISTRICT OF ELGIN
Elgin, Ill.

Sealed proposals endorsed "Proposals for Willard Avenue Sewer" will be received by the Board of Trustees of the Sanitary District of Elgin, at its office, No. 12 Spurling Block, Elgin, Illinois, until 10:00 o'clock a.m. (Central Standard Time), on the 27th day of July, 1925, and will then be publicly opened and read.

The work for which proposals are invited consists of the construction of approximately 4,200 lineal of 8 to 15 inch cast iron and vitrified clay pipe sewers in Willard Avenue and Bent Street, a pneumatic sewage ejecter, manholes and other necessary appurtenances.

The work is in open cut and tunnel, including wet and dry excavation, back filling, disposal of surplus excavation, the placing of sewer pipe, concrete, brick work, iron castings, sheetings, bracing and other material as specified. For such labor and material the Contractor is to be paid in cash.

Each proposal must contain the full name of every person or company interested in the same and must be accompanied by cash or a certified check on a State or National bank in good standing and made payable to the order of the President of the Sanitary District of Elgin in the amount of Three Thousand Dollars ($3,000.00).

All proposals must be made upon blank forms furnished by the Sanitary District of Elgin and in accordance with "Requirements for Bidding" attached thereto.

The Board of Trustees of the Sanitary District of Elgin reserves the right to reject any or all bids, to waive or not to waive any informality in the bids received, and to accept or reject such items and divisions of the work as it seems most favorable to the Sanitary District of Elgin. No qualified or conditional bid will be considered.

Requirements for bidding, plans, specifications and forms of proposal, contract and contract bond may be obtained from the Clerk of the Sanitary District of Elgin, Illinois, upon the deposit of Ten ($10.00) Dollars, which sum so deposited will be refunded if said plans, specifications, etc., are returned in good condition within thirty (30) days after the opening of bids.

Dated this 27th day of June, A. D., 1925.

SANITARY DISTRICT OF ELGIN
By E. N. HERBSTER,
President Board of Trustees.

Attest:
M. M. CLOUDMAN, Clerk.

Bids: August 3.
READVERTISEMENT

Dam and Machinery for Hydro-Electric Development

Gouverneur, N. Y.

Sealed proposals will be received and opened by the Board of Lighting Commissioners of Gouverneur, N. Y., at the office of the Board, at eight (8) p.m., August 3, 1925, for the following:

Item 1—To furnish all labor and material to construct a concrete dam 175 feet long, 7 feet high and to construct a power plant building 36 feet long, 20 feet wide and 18 feet high of red brick, upon a concrete sub-base containing wheel pits and discharge pits. To include dismantling of old dam and building foundations.

Plans and specifications will be on file and may be seen at the office of the Board of Lighting Commissioners, Gouverneur, N. Y., or by appointment at the office of Lewis C. Reynolds, Engineer, Geneva, N. Y., at any time between the date of this notice and 8 p.m., August 3, 1925. Complete sets of plans and specifications may be obtained from the Board or the Engineer on payment of $10.00, which will not be refunded.

The right is reserved to the Village of Gouverneur, to reject any and all bids and all such proposals, and the contracts may be awarded on such bids as may be considered to the best interest of the village.

Dated July 13, 1925.

Village of Gouverneur, N. Y.
B. G. PARKER,
G. M. FRAZIER,
W. H. LOOMIS,
Board of Light Commissioners.

Engineer: LEWIS C. REYNOLDS,
387 Castle Street, Geneva, N. Y.

Bids: August 3.

Port Chester Bridge

White Plains, N. Y.,
July 13, 1925.

Sealed bids or proposals for the construction of a reinforced concrete and masonry bridge over Byram River on County Road No. 43 in the Village of Port Chester, will be received at the office of the Clerk of the Board of Supervisors, Court House, White Plains, New York, until 10 a.m., August 3rd, 1925.

Plans, specifications and proposal sheets and all information relative to same may be procured at the office of the County Engineer, Court House, White Plains, N. Y., upon making a deposit of Ten Dollars ($10.00).

BOARD OF SUPERVISORS,
FRED L. MERRITT, Clerk.